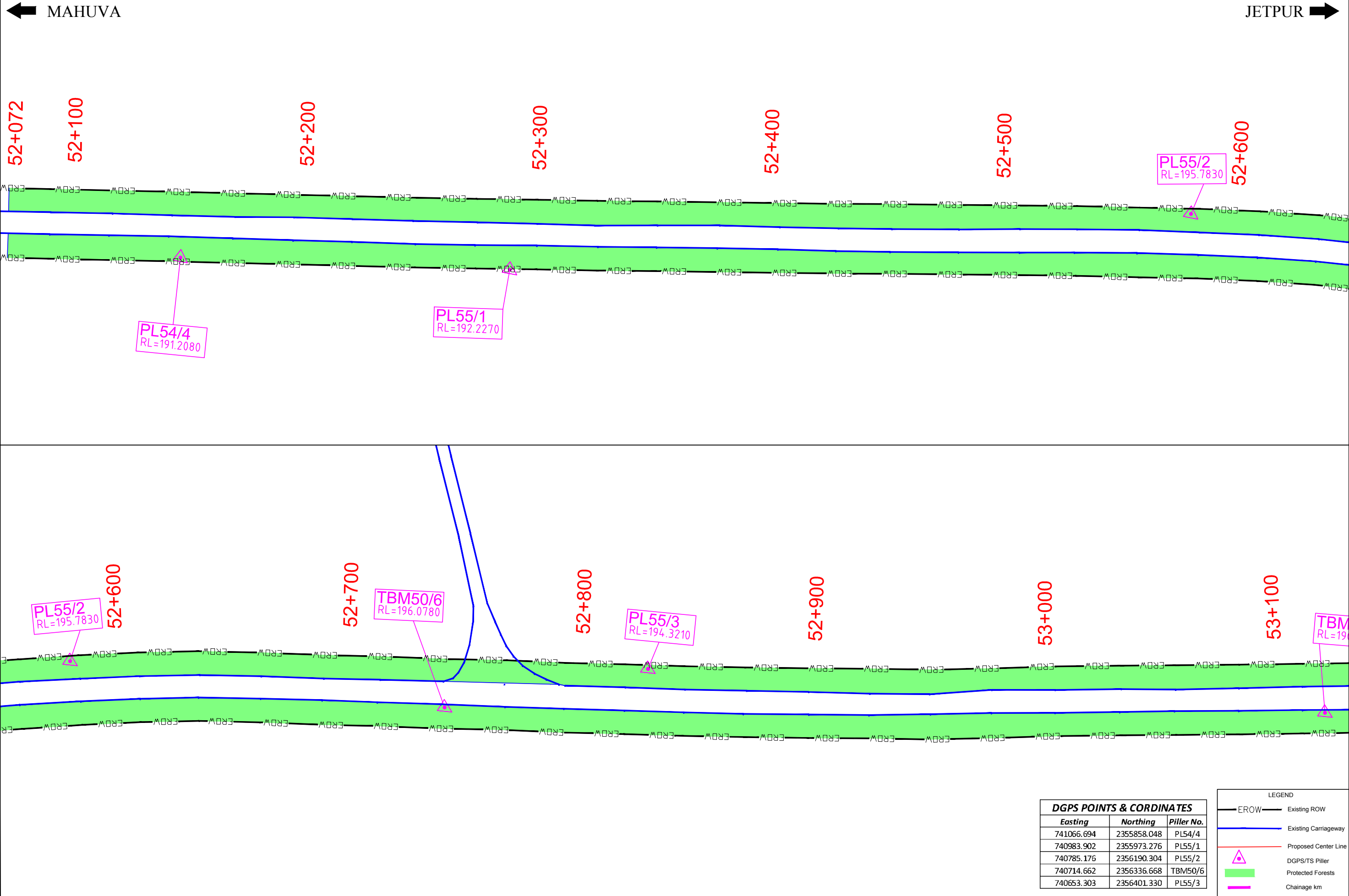




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REV	DATE	DESCRIPTION OF REVISIONS	INITIALS

Consultant:

S.A. Infrastructure Consultants Pvt. Ltd.
IN ASSOCIATION WITH UPHAM INTERNATIONAL CORPORATION PVT LTD.
1101A, 11 Floor Tower A-II, Ansal Corporate Park,
Plot No. 7A/1, Sector 142, Noida-201301 (Uttar Pradesh)
Phone No- 0120-6146000 Fax-0120-6148090
Email: info@sainfra.com

Client : **INDIAN ACADEMY OF HIGHWAY ENGINEERS**

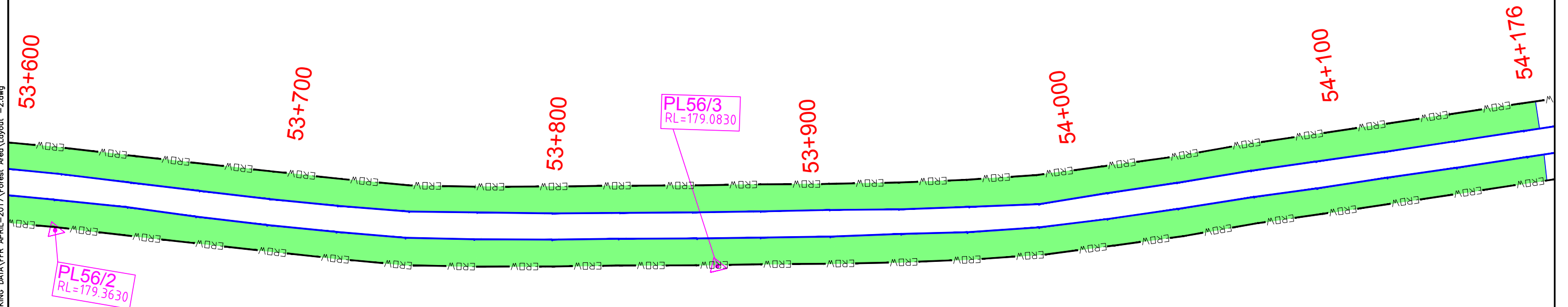
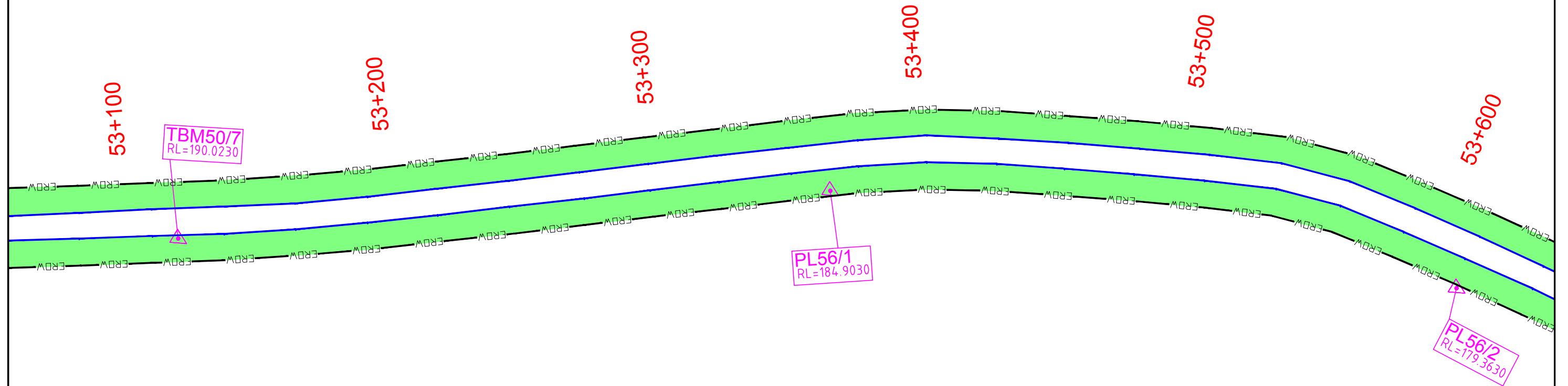
Project: Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two-four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkundla, Amreli, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NH/IAHE/16)

Drawing Title :
DGPS MAP
52+072 to 53+100

DRAWING NO : 1231580/FFR/27		SCALE :- HOR: 1:1000	
DATE : APRIL-2017	Revision : R0	Sheet : 27 of 85	Paper Size A2
DESIGNED (A) <i>Kousik</i> Kousik	DRAWN (B) <i>Anas Khan</i> Anas Khan	CHECKED (C) <i>Shantanu</i> Shantanu	
		APPROVED (D) <i>R.P. Singh</i> R.P. Singh	

← MAHUYA

JETPUR ➡



DGPS POINTS & CORDINATES		
<i>Easting</i>	<i>Northing</i>	<i>Pillar No</i>
740511.383	2356656.626	TBM50/
740368.392	2356856.393	PL56/1
740277.023	2357076.286	PL56/2
740232.835	2357321.502	PL56/3

LEGEND

- EROW — Existing ROW
- Existing Carriageway
- Proposed Center Line
- △ DGPS/TS Pillar
- Protected Forests
- Chainage km

[illegible]

Consultant:

 S.A. Infrastructure Consultants Pvt. Ltd.
IN ASSOCIATION WITH UPHAM INTERNATIONAL CORPORATION PVT. LTD.
1101A, 11 Floor Tower A.H. Ansal Corporate Park,
Plot No. 7A/1, Sector 142, Noida-201301 (Uttar Pradesh)
Phone No. 0120-6148000 Fax-0120-6148090
Email: info@sainfra.com

Client :	 INDIAN ACADEMY OF HIGHWAY ENGINEERS
Project:	Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two/lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkunda, Amreli, Bagasara-Jetpur on NH-27 in state of Gujarat package no. NH/IAHE/16)

Drawing Title :
DGPS MAP
53+100 to 54+176

DRAWING NO : 1231580/FFR/28		SCALE : - HOR: 1:1000	
DATE : APRIL-2017		Revision : R0	
DESIGNED (A)		CHECKED (C)	
DRAWN (B)		APPROVED (D)	
Kousik	Anas Khan	Shantanu	R.P.Singh
Kousik	Anas Khan	Shantanu	R.P.Singh

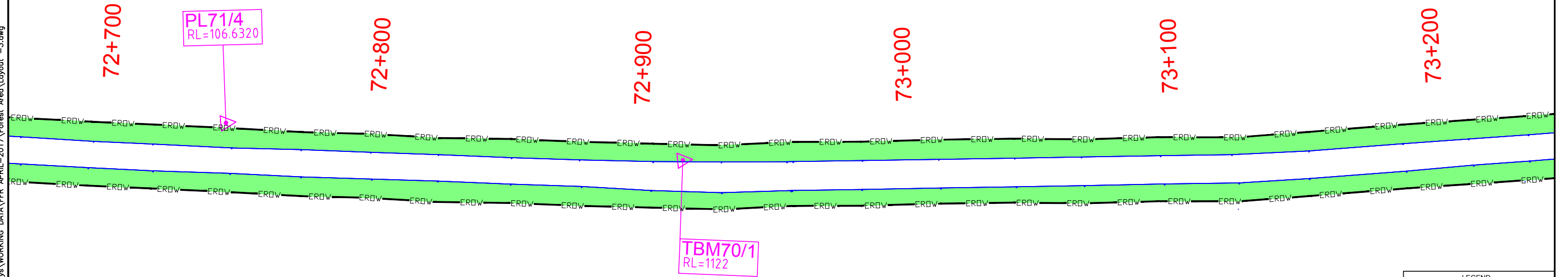
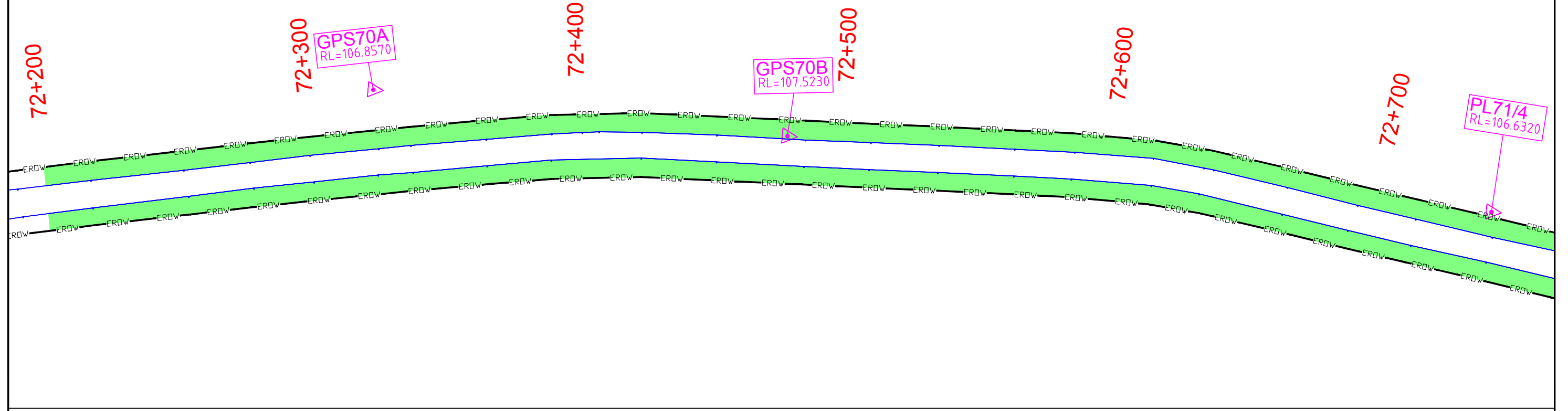
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Page Size A2

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← MAHUYA

JETPUR ➡



<i>DGPS POINTS & CORDINATES</i>		
<i>Easting</i>	<i>Northing</i>	<i>Pillar No.</i>
735044.683	2372049.924	GPS70A
735045.728	2372206.529	GPS70B
735046.394	2372472.544	PL71/4
735074.332	2372642.466	TBM70/1

LEGEND

- Existing ROW
- Existing Carriageway
- Proposed Center Line
- DGPS/TS Pillar
- Protected Forests
- Chainage km

Consultant:



S.A. Infrastructure Consultants Pvt. Ltd.
IN ASSOCIATION WITH UPHAM INTERNATIONAL CORPORATION PVT LTD.
1101A, 11 Floor Tower A-II, Ansal Corporate Park,
Plot No. 7A/1, Sector 142, Noida-201301 (Uttar Pradesh)
Phone No- 0120-6148000 Fax-0120-6148090
Email: info@sainfra.com

Client :



INDIAN ACADEMY OF HIGHWAY ENGINEERS

Project:

Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two/four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkundla, Amreli, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NH/IAHE/16)

Drawing Title :

DGPS MAP

72+200 to 73+200

DRAWING NO :	1231580/FFR/29
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DATE : APRIL-2017

DESIGNED

Kousik

FFR/29

Revision : R0

DRAWN (B)	CHECKED
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anas.khan

SCALE : - HOR: 1:1000

Sheet : 29 of 85	A2
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ED (C)	APPROVED (D)	Size
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R. P. Singh

1

DATE: 28/04/2017 - 5:35pm
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← MAHUYA

JETPUR ➡

73+200

73+300

PL72/2
RL=104.9070

 $73+400$

73+500

73+600

 $73+700$

73+700

73+800

 $73+818$

73+900

73+925

74+000

74+100

74+200

PL73/2
RL=103.8580

TBM70/2
RL=105.3380

DGPS POINTS & CORDINATES		
Easting	Northing	Pillar No.
735083.763	2373034.763	PL72/2
735152.919	2373304.984	PL72/3
735079.588	2373849.535	PL73/2

LEGEND

- EROW — Existing ROW
- Existing Carriageway
- Proposed Center Line
- △ DGPS/TS Pillar
- Protected Forests
- Chainage km

Consultant:



S.A. Infrastructure Consultants Pvt. Ltd.
IN ASSOCIATION WITH UPHAM INTERNATIONAL CORPORATION PVT LTD.
1101A, 11 Floor Tower A-II, Ansal Corporate Park,
Plot No. 7A/1, Sector 142, Noida-201301 (Uttar Pradesh)
Phone No- 0120-6148000 Fax-0120-6148090
Email: info@sainfra.com

Client :



INDIAN ACADEMY OF HIGHWAY ENGINEERS

Project:

Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two/four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkunda, Amreli, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NH/IAHE/16)

Drawing Title :

DGPS MAP

73+200 to 74+200

DRAWING NO : 1231580/FFR/30

DATE : APRIL-2017

DESIGNED (A)

Revision : R0

DRAWN (B)	CHECKED
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Sheet : 30 of 85

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← MAHUYA

JETPUR ➡

74+200

74+300

74+400

74+500

 $74+600$

74+700

TBM70/2
RL=105.3380

PL73/2A
RL=103.3830

PL73/3
RL=103.2670

74+700

74+800

74+900

75+000

75+100

75+200

PL73/4
RL=101.9990

PL74/2
RL=101.4

PL74/1
RL=101.0880

DGPS POINTS & CORDINATES		
Easting	Northing	Pillar No.
735084.078	2373926.285	TBM70/2
735101.372	2374075.143	PL73/2A
735084.213	2374330.519	PL73/3
735102.210	2374595.196	PL73/4
735128.190	2374868.214	PL74/1

LEGEND

	Existing ROW
	Existing Carriageway
	Proposed Center Line
	DGPS/TS Pillar
	Protected Forests
	Chainage km

Consultant:



S.A. Infrastructure Consultants Pvt. Ltd.
IN ASSOCIATION WITH UPHAM INTERNATIONAL CORPORATION PVT LTD.
1101A, 11 Floor Tower A-II, Ansal Corporate Park,
Plot No. 7A/1, Sector 142, Noida-201301 (Uttar Pradesh)
Phone No- 0120-6148000 Fax-0120-6148090
Email: info@sainfra.com

Client :



INDIAN ACADEMY OF HIGHWAY ENGINEERS

Project:

Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two/four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkundla, Amreli, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NH/IAHE/16)

Drawing Title :

DGPS MAP

74+200 to 75+200

DRAWING NO :	1231580/FFR/31
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DATE : APRIL-2017

DESIGNED (A)

Revision : R0

DRAWN (B)	CHE
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Sheet : 31 of 85

REJECTED (C)	APPROVED (D)

Paper Size A2

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 PATH: Y:\HIGHWAY\2015\DRP\1231580\Highways\WORKING DATA\FR APRIL-2017\Forest Area/Layout -3.dwg

← MAHUYA

JETPUR ➡

75+200

75+300

75+400

75+500

75+600

75+700

PL75/1
RL=100.4630

PL74/2
RL=101.4440

PL74/3
RL=101.1030

75+700

PL75/1
RL=100.4630

75+800

75+821

DGPS POINTS & CORDINATES		
<i>Easting</i>	<i>Northing</i>	<i>Pillar No.</i>
735116.594	2374976.950	PL74/2
735078.760	2375179.729	PL74/3
735043.225	2375438.746	PL75/1

LEGEND

	Existing ROW
	Existing Carriageway
	Proposed Center Line
	DGPS/TPS Pillar
	Protected Forests
	Chainage km

DATE: 28/04/2017 - 5:55pm
PATH: Y:\HIGHWAY\15\DP\1231580\Highways\WORKING DATA\FR APRIL-2017\Forest Area\Layout -3.dwg

Consultant:



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1101A, 11 Floor Tower A-II, Ansal Corporate Park,
Plot No. 7A/1, Sector 142, Noida-201301 (Uttar Pradesh)
Phone No- 0120-6148000 Fax-0120-6148090
Email: info@sainfra.com

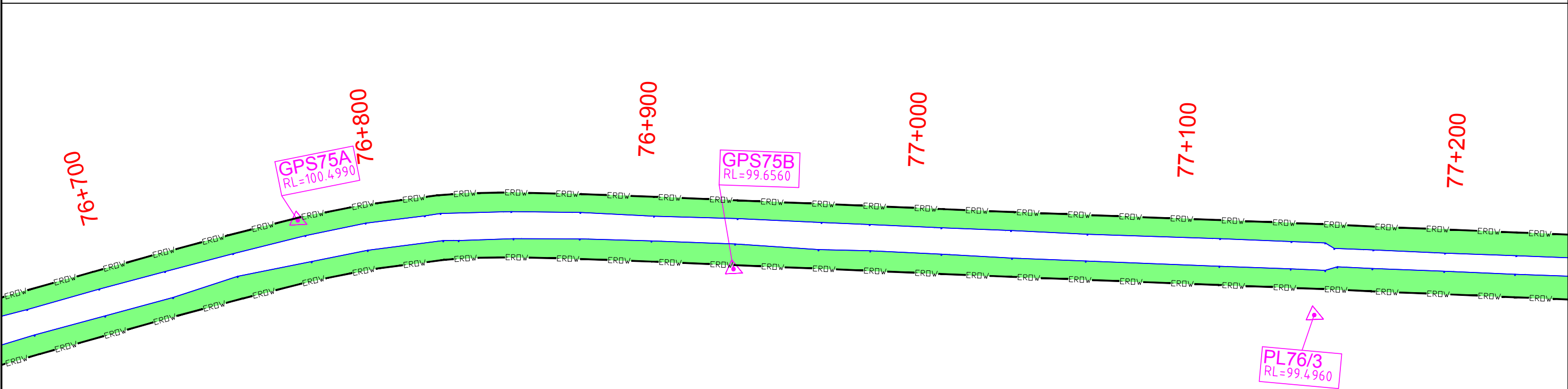
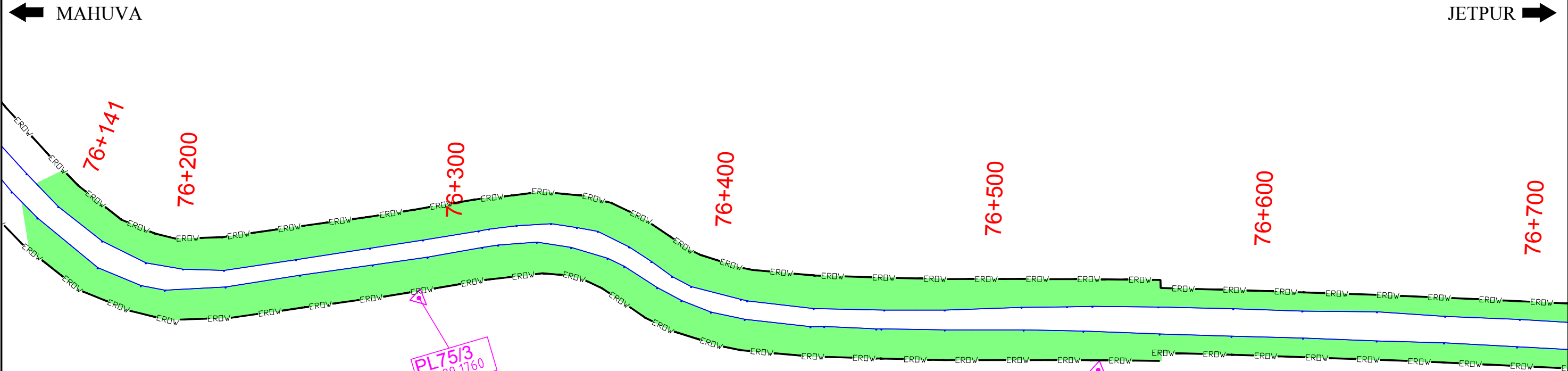
Client :  INDIAN ACADEMY OF HIGHWAY ENGINEERS

Project:	Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two/four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkunda, Amreli, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NI/IAHE/16)
----------	--

Drawing Title :
DGPS MAP
75+200 to 75+821

DRAWING NO : 1231580/FFR/32	SCALE : - HOR: 1:1000
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DATE : APRIL-2017		Revision : RO		Sheet : 32 of 85		Paper Size A2		
DESIGNED (A)		DRAWN (B)		CHECKED (C)			APPROVED (D)	
Kousik Kousik		Anas khan Anas khan		Shantanu Shantanu			R.P.Singh R.P.Singh	



DGPS POINTS & CORDINATES		
Easting	Northing	Pillar No.
734998.218	2375714.994	PL75/2
734959.081	2375960.684	PL75/3
734807.749	2376163.799	PL75/4
734634.167	2376322.417	GPS75A
734583.646	2376476.950	GPS75B
734509.947	2376680.004	PL76/3

LEGEND	
— EROW —	Existing ROW
— —	Existing Carriageway
— —	Proposed Center Line
▲	DGPS/TS Pillar
■	Protected Forests
— —	Chainage km

REV	DATE	DESCRIPTION OF REVISIONS	INITIALS
RO	APRIL 2017	DGPS MAP	

Consultant:

S.A. Infrastructure Consultants Pvt. Ltd.
IN ASSOCIATION WITH UPHAM INTERNATIONAL CORPORATION PVT LTD.
1101A, 11 Floor Tower A-II, Ansal Corporate Park,
Plot No. 7A/1, Sector 142, Noida-201301 (Uttar Pradesh)
Phone No- 0120-6146000 Fax-0120-6148090
Email: info@sainfra.com

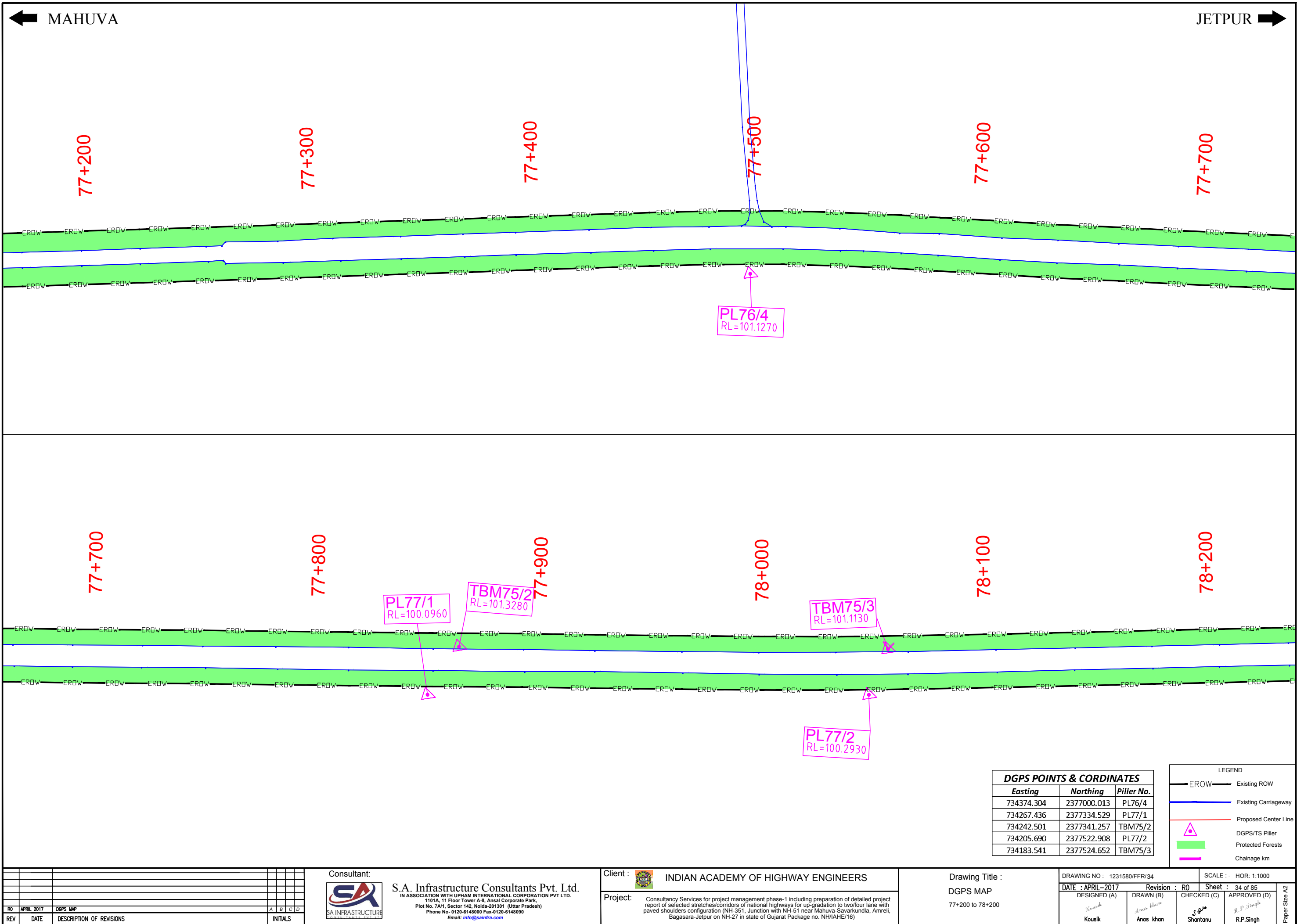
Client : **INDIAN ACADEMY OF HIGHWAY ENGINEERS**

Project: Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two-four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkundla, Amreli, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NH/IAHE/16)

Drawing Title :
DGPS MAP
76+141 to 77+200

DRAWING NO : 1231580/FFR/33	SCALE :- HOR: 1:1000
DATE : APRIL-2017	Revision : R0
DESIGNED (A) <i>Kousik</i> Kousik	DRAWN (B) <i>Anas Khan</i> Anas Khan
CHECKED (C) <i>Shantanu</i> Shantanu	APPROVED (D) <i>R.P. Singh</i> R.P. Singh
Sheet : 33 of 85	Paper Size A2

DATE: 28/04/2017 - 5:56pm
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DGPS POINTS & CORDINATES		
Easting	Northing	Pillar No.
734127.935	2377748.521	PL77/3
734012.268	2377990.065	PL77/4
733951.107	2378269.996	PL78/1
733845.711	2378475.784	TBM75/4
733856.154	2378504.793	PL78/2

EROW

Existing ROW

Existing Carriageway

Proposed Center Line

DGPS/TS Pillar

Protected Forests

Chainage km

DATE: 28/04/2017 - 5:57pm
PATH: Y:\HIGHWAY\2015\DPFR\1231580\Highways\WORKING DATA\FFR\APRIL-2017\Forest Area\Layout -3.dwg

← MAHUVA

JETPUR →

79+200

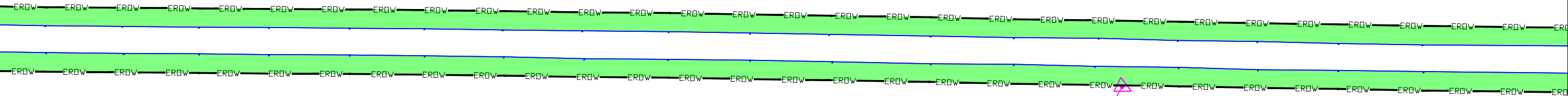
79+300

79+400

79+500

79+600

79+700



79+700

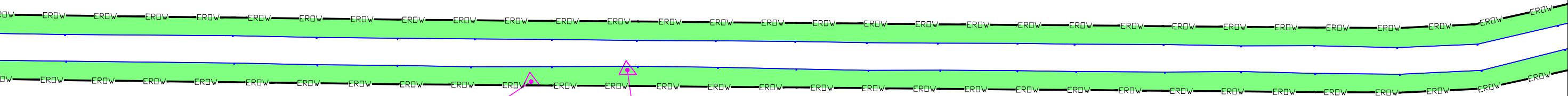
79+800

79+900

80+000

80+100

80+200



DGPS POINTS & CORDINATES		
Easting	Northing	Pillar No.
733638.665	2378942.908	PL78/4
733512.012	2379196.667	PL79/1
733492.067	2379226.493	TBM75/5

LEGEND	
— EROW —	Existing ROW
— — —	Existing Carriageway
— — —	Proposed Center Line
△	DGPS/TS Pillar
■	Protected Forests
— — —	Chainage km

RO	APRIL 2017	DGPS MAP	A	B	C	D
REV	DATE	DESCRIPTION OF REVISIONS	INITIALS			

Consultant:



S.A. Infrastructure Consultants Pvt. Ltd.
IN ASSOCIATION WITH UPHAM INTERNATIONAL CORPORATION PVT LTD.
1101A, 11 Floor Tower A-II, Ansal Corporate Park,
Plot No. 7A/1, Sector 142, Noida-201301 (Uttar Pradesh)
Phone No- 0120-6146000 Fax-0120-6148990
Email: info@sainfra.com

Client :  INDIAN ACADEMY OF HIGHWAY ENGINEERS

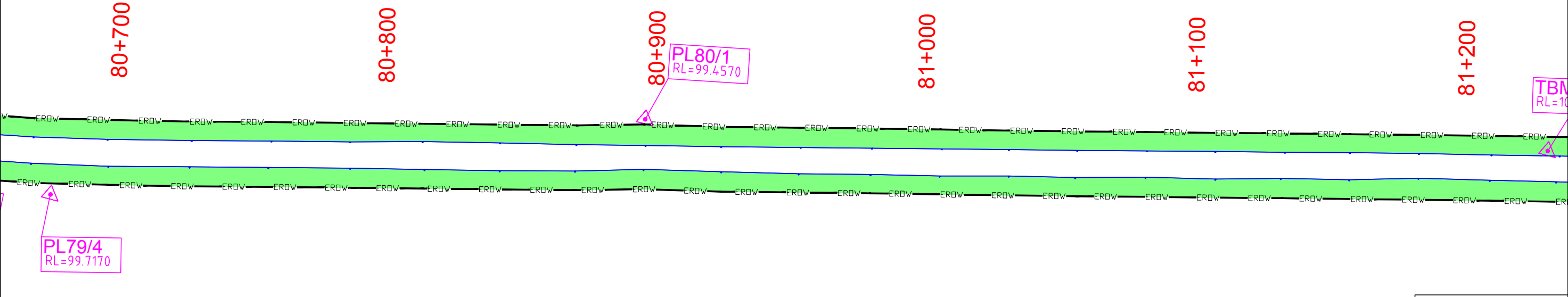
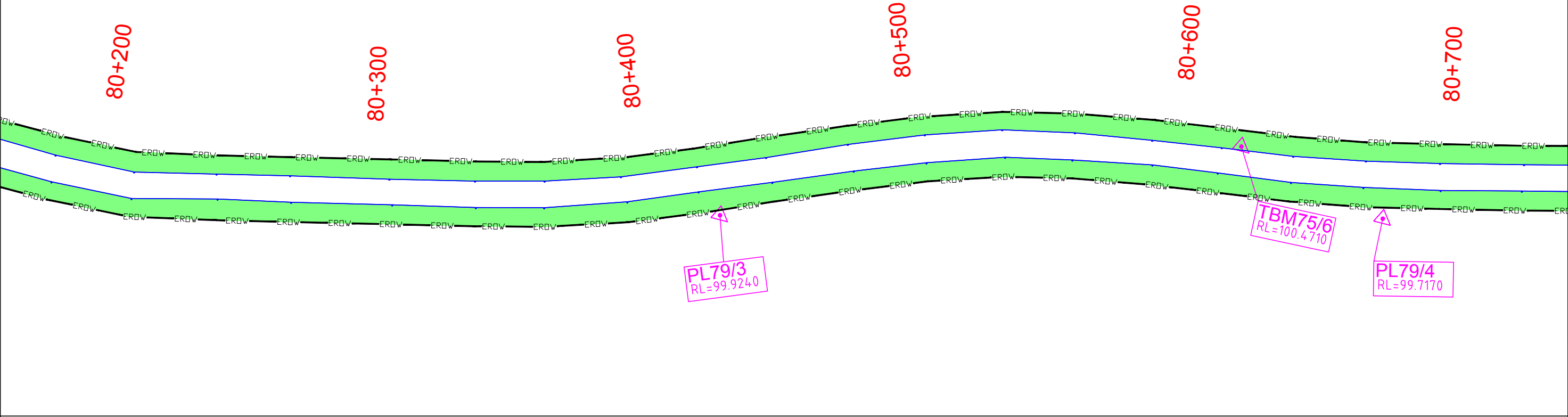
Project: Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two/four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkundla, Amreli, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NH/IAHE/16)

Drawing Title :
DGPS MAP
79+200 to 80+200

DRAWING NO : 1231580/FFR/36		SCALE :- HOR: 1:1000	
DATE : APRIL-2017	Revision : R0	Sheet : 36 of 85	
DESIGNED (A) Kousik	DRAWN (B) Anas khan	CHECKED (C) Shantanu	APPROVED (D) R.P.Singh

← MAHUVA

JETPUR →



DGPS POINTS & CORDINATES		
Easting	Northing	Piller No.
733209.400	2379675.816	PL79/3
733062.427	2379803.668	TBM75/6
733047.732	2379860.609	PL79/4
732880.910	2380007.242	PL80/1

LEGEND

— EROW —

Existing ROW

— —

Existing Carriageway

— —

Proposed Center Line

▲

DGPS/TS Piller

■

Protected Forests

— —

Chainage km

RO	APRIL 2017	DGPS MAP	A	B	C	D
REV	DATE	DESCRIPTION OF REVISIONS	INITIALS			

Consultant:



S.A. Infrastructure Consultants Pvt. Ltd.
IN ASSOCIATION WITH UPHAM INTERNATIONAL CORPORATION PVT LTD.
1101A, 11 Floor Tower A-II, Ansal Corporate Park,
Plot No. 7A/1, Sector 142, Noida-201301 (Uttar Pradesh)
Phone No- 0120-6146000 Fax-0120-6148090
Email: info@sainfra.com

Client :  INDIAN ACADEMY OF HIGHWAY ENGINEERS

Project: Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two-four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkundla, Amreli, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NH/IAHE/16)

Drawing Title :

DGPS MAP

80+200 to 81+200

DRAWING NO : 1231580/FFR/37		SCALE :- HOR: 1:1000	
DATE : APRIL-2017	Revision : R0	Sheet : 37 of 85	
DESIGNED (A) <i>Kousik</i> Kousik	DRAWN (B) <i>Anas Khan</i> Anas Khan	CHECKED (C) <i>Shantanu</i> Shantanu	APPROVED (D) <i>R.P. Singh</i> R.P. Singh

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PATH: Y:\HIGHWAY\2015\DPFR\1231580\Highways\WORKING DATA\FFR\APRIL-2017\Forest Area\Layout -3.dwg

← MAHUYA

JETPUR ➡

81+200

81+300

$$81 + 400$$

PL80/3
RL=99.6690

81+500

 $81+600$

81+700

TBM75/7
RL=100.2360

GPS80A
RL=98.7970

81+700

81+800

81+900

PS80A
=98.7970



← MAHUYA

JETPUR ➡

 $82+200$ $82+300$ $82+368$

PL81/3
RL=99.2580

 $82+400$ $82+500$ $82+600$

PL81/4
RL=100.3480

82+700

82+721

DGPS POINTS & CORDINATES		
Easting	Northing	Piller No.
732034.822	2381254.467	PL81/3

LEGEND

- EROW — Existing ROW
- Existing Carriageway
- Proposed Center Line
- △ DGPS/TS Pillar
- Protected Forests
- Chainage km

Consultant:



S.A. Infrastructure Consultants Pvt. Ltd.
IN ASSOCIATION WITH UPHAM INTERNATIONAL CORPORATION PVT LTD.
1101A, 11 Floor Tower A-II, Ansal Corporate Park,
Plot No. 7A/1, Sector 142, Noida-201301 (Uttar Pradesh)
Phone No- 0120-6148000 Fax-0120-6148090
Email: info@sainfra.com

Client :



INDIAN ACADEMY OF HIGHWAY ENGINEERS

Project:

Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two/four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkundla, Amreli, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NH/AHE/16)

Drawing Title :

DGPS MAP

82+200 to 82+368

DRAWING NO :	1231580/FFR/39
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DATE : APRIL-2017

DESIGNED (A)

Revision : R0

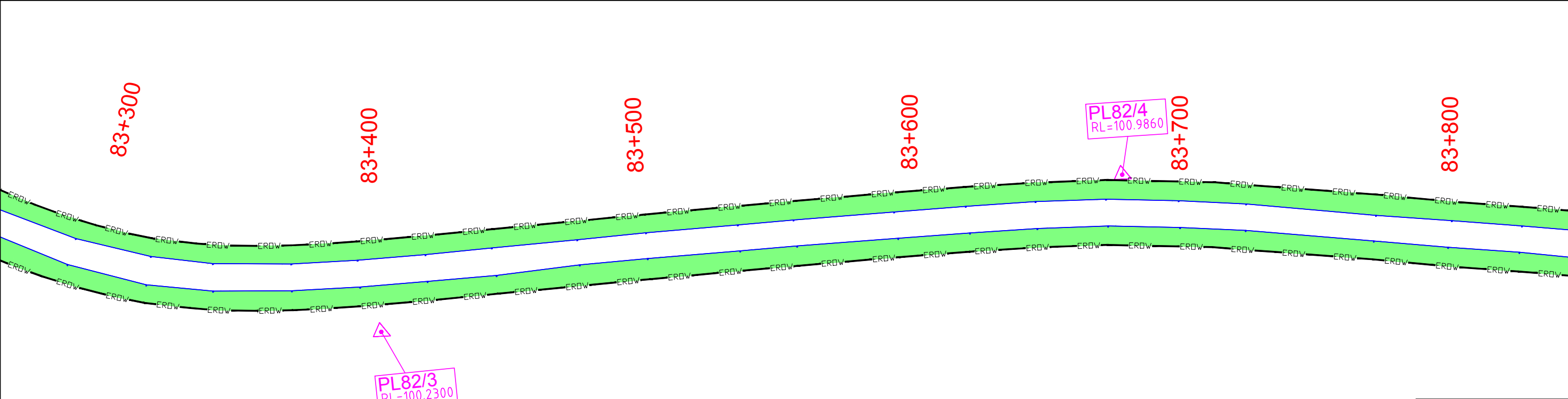
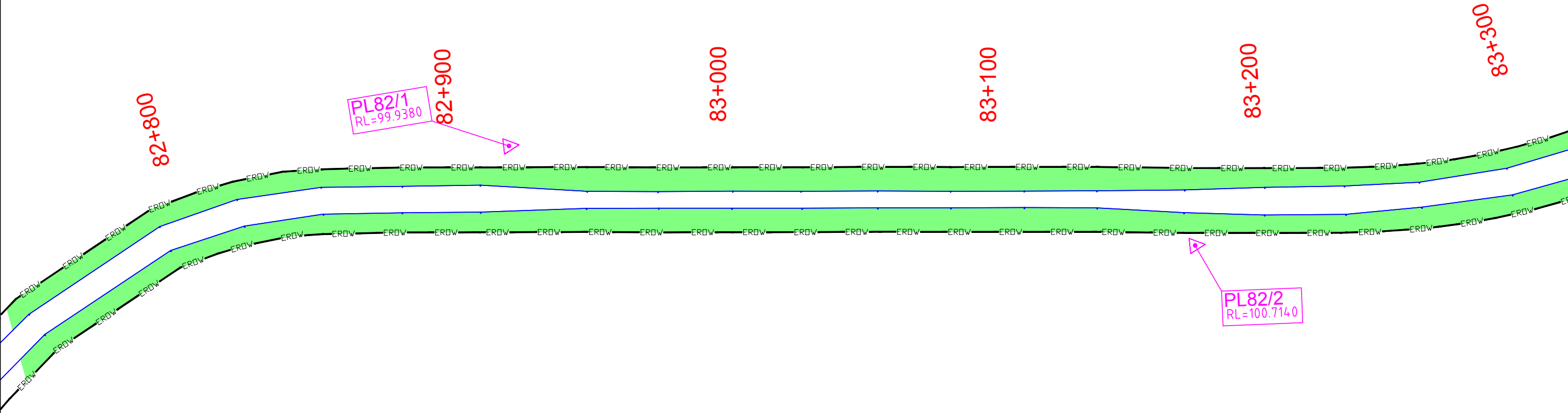
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R0	Sheet : 39 of 85
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CHECKED (C)	APPROVED (D)
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← MAHUVA

JETPUR →



DGPS POINTS & CORDINATES		
Easting	Northing	Piller No.
731810.273	2381708.966	PL82/1
731872.414	2381958.006	PL82/2
731840.794	2382192.902	PL82/3
731675.453	2382419.363	PL82/4

LEGEND

— EROW —

Existing ROW

— —

Existing Carriageway

— —

Proposed Center Line

▲

DGPS/TS Piller

■

Protected Forests

— —

Chainage km

RO	APRIL 2017	DGPS MAP	A	B	C	D
REV	DATE	DESCRIPTION OF REVISIONS	INITIALS			

Consultant:

S.A. Infrastructure Consultants Pvt. Ltd.
IN ASSOCIATION WITH UPHAM INTERNATIONAL CORPORATION PVT LTD.
1101A, 11 Floor Tower A-II, Ansal Corporate Park,
Plot No. 7A/1, Sector 142, Noida-201301 (Uttar Pradesh)
Phone No- 0120-6146000 Fax-0120-6148090
Email: info@sainfra.com

Client : INDIAN ACADEMY OF HIGHWAY ENGINEERS

Project: Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two-four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkundla, Amreli, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NH/IAHE/16)

Drawing Title :

DGPS MAP

82+800 to 83+800

DRAWING NO : 1231580/FFR/40

SCALE :- HOR: 1:1000

DATE : APRIL-2017

Revision : R0

Sheet : 40 of 85

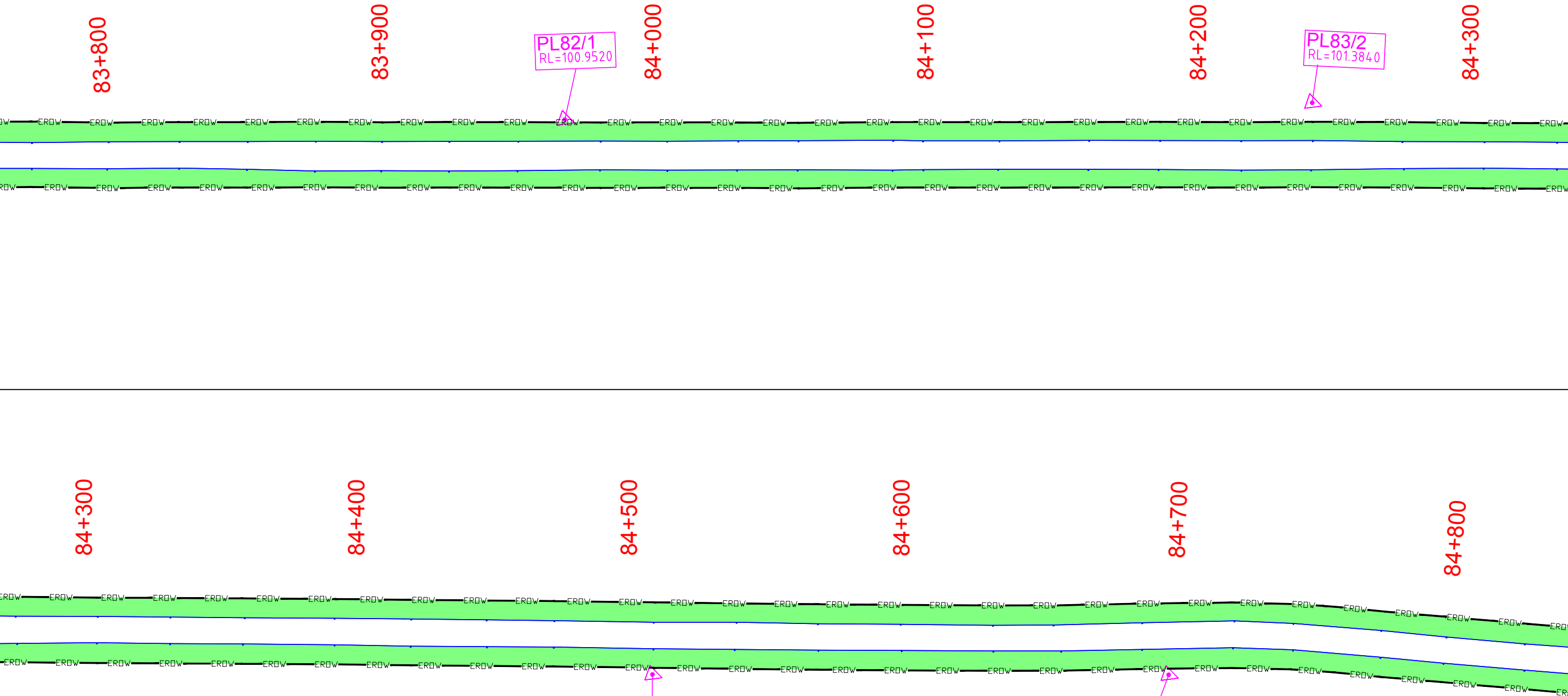
DESIGNED (A) *Kousik* Kousik

DRAWN (B) *Anas Khan* Anas Khan

CHECKED (C) *Shantanu* Shantanu

APPROVED (D) *R.P. Singh* R.P. Singh

Paper Size A2



DGPS POINTS & CORDINATES		
Easting	Northing	Pillar No.
731577.350	2382692.653	PL83/1
731479.689	2382948.950	PL83/2
731423.870	2383212.235	PL83/3
731360.550	2383390.743	PL83/4

LEGEND

— EROW —

Existing ROW

— —

Existing Carriageway

— —

Proposed Center Line

△

DGPS/TS Pillar

■

Protected Forests

— —

Chainage km

RO	APRIL 2017	DGPS MAP	A	B	C	D
REV	DATE	DESCRIPTION OF REVISIONS	INITIALS			

Consultant:



S.A. Infrastructure Consultants Pvt. Ltd.
IN ASSOCIATION WITH UPHAM INTERNATIONAL CORPORATION PVT LTD.
1101A, 11 Floor Tower A-II, Ansal Corporate Park,
Plot No. 7A/1, Sector 142, Noida-201301 (Uttar Pradesh)
Phone No- 0120-6146000 Fax-0120-6148099
Email: info@sainfra.com

Client :  INDIAN ACADEMY OF HIGHWAY ENGINEERS

Project: Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two-four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkundla, Amreli, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NH/IAHE/16)

Drawing Title :
DGPS MAP
83+800 to 84+800

DRAWING NO : 1231580/FFR/41		SCALE :- HOR: 1:1000	
DATE : APRIL-2017	Revision : R0	Sheet : 41 of 85	
DESIGNED (A) <i>Kousik</i> Kousik	DRAWN (B) <i>Anas Khan</i> Anas Khan	CHECKED (C) <i>Shantanu</i> Shantanu	APPROVED (D) <i>R.P. Singh</i> R.P. Singh

Paper Size A2

← MAHUYA

JETPUR ➡

84+800

84+900

85+000

85+100

85+200

85+300

PL84/1
RL=104.6860

PL84/2
RL=104.8560

85+300

85+400

85+500

 $85+600$

85+700

PL84/4
RL=105.4260

85+800

DGPS POINTS & CORDINATES		
<i>Easting</i>	<i>Northing</i>	<i>Piller No.</i>
731282.832	2383681.914	PL84/1
731225.908	2383888.487	PL84/2
731057.515	2384412.247	PL84/4

LEGEND

-  Existing ROW
-  Existing Carriageway
-  Proposed Center Line
-  DGPS/TS Pillar
-  Protected Forests
-  Chainage km

Consultant:



S.A. Infrastructure Consultants Pvt. Ltd.
IN ASSOCIATION WITH UPHAM INTERNATIONAL CORPORATION PVT LTD.
1101A, 11 Floor Tower A-II, Ansal Corporate Park,
Plot No. 7A/1, Sector 142, Noida-201301 (Uttar Pradesh)
Phone No- 0120-6148000 Fax-0120-6148090
Email: info@sainfra.com

Client :



INDIAN ACADEMY OF HIGHWAY ENGINEERS

Project:

Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two/four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkundla, Amreli, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NH/IAHE/16)

Drawing Title :

DGPS MAP

84+800 to 85+800

DRAWING NO :	1231580/FFR/42
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DATE : APRIL-2017

DESIGNED (A)

Revision : R0

DRAWN (B)	CHECKED
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R0	Sheet : 42 of 85
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CHECKED (C)	APPROVED (D)

1991-1992

DATE: 28/04/2017 - 6:00pm
 PATH: Y:\HIGHWAY\2015\DRP\1231580\Highways\WORKING DATA\FR APRIL-2017\Forest Area/Layout -3.dwg

← MAHUYA

JETPUR ➡

PL84/4
RL=105.4260

85+800

85+900

86+000

86+100

86+200

86+300

18-24

25-34

35-44

45-54

55-64

65-74

75-84

85-94

95-104

Diagram showing a longitudinal section of a road with two lanes. The road surface is green, and the centerline is marked with a blue line. Two callouts point to specific points on the road:

- PL85/1 RL=106.8220
- PL85/2 RL=107.3390

DGPS POINTS & CORDINATES		
Eastings	Northing	Pillar No.
731026.774	2384629.837	PL85/1
730965.199	2384863.783	PL85/2
730869.574	2385105.611	PL85/3
730783.814	2385317.429	PL85/4

LEGEND

- Existing ROW
- Existing Carriageway
- Proposed Center Line
- DGPS/TS Pillar
- Protected Forests
- Chainage km

R0	APRIL 2017	DGPS MAP			A	B	C	D	
REV	DATE	DESCRIPTION OF REVISIONS			INITIALS				

Consultant:



S.A. Infrastructure Consultants Pvt. Ltd
IN ASSOCIATION WITH UPHAM INTERNATIONAL CORPORATION PVT. LTD.
11014, 11 Floor Tower A-III, Ansal Corporate Park
Plot No. 74A1, Sector 142, Noida-201301 (Uttar Pradesh)
Phone No- 0120-6148000 Fax-0120-6148090
Email: info@sainfra.com

Client:  **INDIANA ACADEMY OF HIGHWAY ENGINEERS**

Project: Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two/four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkundla, Amreli, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NH/IAHE/16)

Drawing Title :
DGPS MAP
85+800 to 86+800

DRAWING NO : 1231580/FFR/43		SCALE :- HOR: 1:1000	
DATE : APRIL-2017		Revision : R0	
DESIGNED (A)		CHECKED (C)	
DRAWN (B)		APPROVED (D)	
Kousik	Anas khan	Shantanu	R.P.Singh
Kousik	Anas khan	Shantanu	R.P.Singh
			Paper Size A2

DATE: 28/04/2017 - 6:01pm
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← MAHUYA

JETPUR ➡

86+800

86+900

PL86/1
RL=110.4060

87+000

87+100

 $87+200$ $87+300$ $87+300$ $87+400$ $87+500$

87+514

87+009

PL86/3
RL=110.9080

PL86/4
RL=111.0230

DGPS POINTS & CORDINATES		
<i>Easting</i>	<i>Northing</i>	<i>Piller No.</i>
730686.185	2385534.642	PL86/1
730500.117	2386055.283	PL86/3

LEGEND

- EROW — Existing ROW
- Existing Carriageway
- Proposed Center Line
- △ DGPS/TS Pillar
- Protected Forests
- Chainage km

Consultant:



S.A. Infrastructure Consultants Pvt. Ltd.
IN ASSOCIATION WITH UPHAM INTERNATIONAL CORPORATION PVT LTD.
1101A, 11 Floor Tower A-II, Ansal Corporate Park,
Plot No. 7A/1, Sector 142, Noida-201301 (Uttar Pradesh)
Phone No- 0120-6148000 Fax-0120-6148090
Email: info@sainfra.com

Client :



INDIAN ACADEMY OF HIGHWAY ENGINEERS

Project:

Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two/four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkundla, Amreli, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NH/IAHE/16)

Drawing Title :

DGPS MAP

86+800 to 87+514

DRAWING NO : 1231580/FFR/44

Revision : R0

DESIGNED (A)

Anas.khan

R0	
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CHECK

38

44 of 85

APPROVED (

R. P. Singh

1991-1992

DATE: 28/04/2017 - 6:01pm
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← MAHUYA

JETPUR ➡

<i>DGPS POINTS & CORDINATES</i>		
<i>Easting</i>	<i>Northing</i>	<i>Pillar No.</i>
720822.341	2383223.383	PL99/4
720504.659	2383200.092	PL100/1
720266.663	2383121.519	PL100/2
720014.963	2383110.209	PL100/3

LEGEND

- Existing ROW
- Existing Carriageway
- Proposed Center Line
- DGPS/TS Piller
- Protected Forests
- Chainage km

RO	APRIL 2017	DGPS MAP		A	B C D
REV	DATE	DESCRIPTION OF REVISIONS		INITIALS	

Consultant:



S.A. Infrastructure Consultants Pvt. Ltd.
IN ASSOCIATION WITH UPMI INTERNATIONAL CORPORATION PVT. LTD.
1191A, 11 Floor, Tower A-1, Ansal Corporate Park
Plot No. 7A/1, Sector 142, Noida-201301 (Uttar Pradesh)
Phone No- 0120-6148000 Fax-0120-6148090
Email: info@sainfra.com

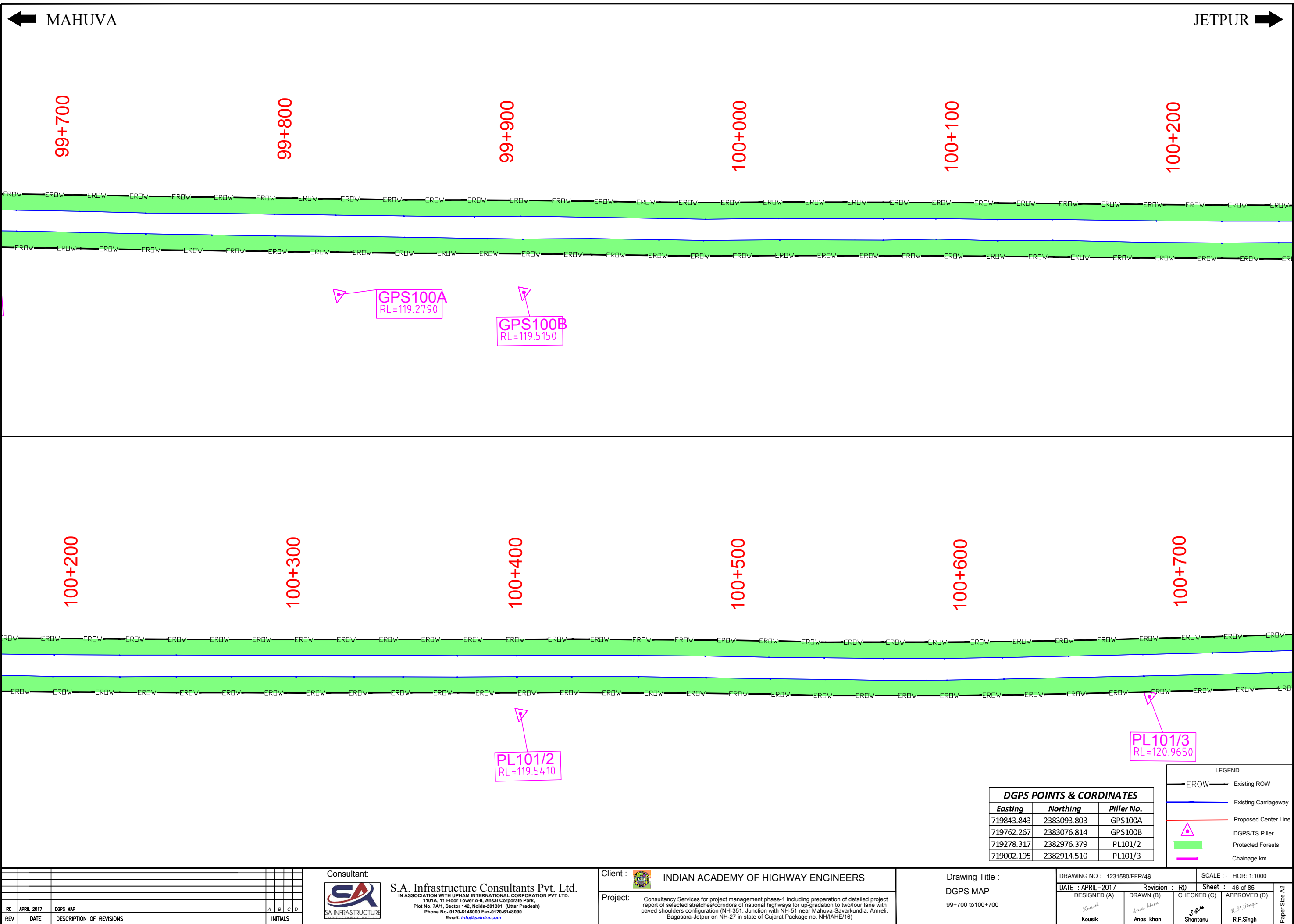
Client :	 INDIAN ACADEMY OF HIGHWAY ENGINEERS
Project:	Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-grgradation to two/four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkunda, Amreli, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NH/IAHE/16)

Drawing Title :
DGPS MAP
98+680 to 99+700

DRAWING NO : 1231580/FFR/45		SCALE : - HOR: 1:1000	
DATE : APRIL-2017		Revision : R0	Sheet : 45 of 85
DESIGNED (A)	DRAWN (B)	CHECKED (C)	APPROVED (D)
Kousik	Anas khan	Shantanu	R.P.Singh
Kousik	Anas khan	Shantanu	R.P.Singh

Paper Size A2

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← MAHUYA

JETPUR ➡

100+700

100+800

100+900

101+000

101+100

101+200

PL101/3
RL=120.9650

PL102/1
RL=121.6280

101+200

101+300

101+400

101+500

101+600

101+700

PL102/1
RL=121.6280

PL102/2
RL=119.9660

TBM100/2
RL=120.1380

PL102/3
RL=118.7710

<i>DGPS POINTS & CORDINATES</i>		
<i>Easting</i>	<i>Northing</i>	<i>Pillar No.</i>
718514.231	2382811.642	PL102/1
718283.958	2382759.648	PL102/2
718077.754	2382714.936	TBM100/2

LEGEND

- EROW — Existing ROW
- Existing Carriageway
- Proposed Center Line
- △ DGPS/TS Pillar
- Protected Forests
- Chainage km

Consultant:



S.A. Infrastructure Consultants Pvt. Ltd.
IN ASSOCIATION WITH UPHAM INTERNATIONAL CORPORATION PVT LTD.
1101A, 11 Floor Tower A-II, Ansal Corporate Park,
Plot No. 7A/1, Sector 142, Noida-201301 (Uttar Pradesh)
Phone No- 0120-6148000 Fax-0120-6148090
Email: info@sainfra.com

Client :



INDIAN ACADEMY OF HIGHWAY ENGINEERS

Project:

Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two/four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkundla, Amreli, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NH/IAHE/16)

Drawing Title :

DGPS MAP

100+700 to 101+700

DRAWING NO : 1231580/FFR/47

DATE : APRIL-2017

DESIGNED (A)

Revision : R0

DRAWN (B)	CHECKED
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Sheet : 47 of 85

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DATE: 28/04/2017 - 6:05pm
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← MAHUYA

JETPUR 

101+700

101+800

101+900

PL102/4
RL=119.7950

102+000

102+100

102+200

PL102/3
RL=118.7710

102+200

PL103/1
RL=120.6530

102+300

102+400

PL103/2
RL=121.5850

$$102 + 500$$

102+600

102+700

DGPS POINTS & CORDINATES		
<i>Easting</i>	<i>Northing</i>	<i>Piller No.</i>
718008.654	2382725.434	PL102/3
717793.895	2382690.082	PL102/4
717453.241	2382690.606	PL103/1
717227.147	2382703.477	PL103/2

LEGEND

- EROW — Existing ROW
- Existing Carriageway
- Proposed Center Line
- △ DGPS/TS Pillar
- Protected Forests
- Chainage km

Consultant:



S.A. Infrastructure Consultants Pvt. Ltd.
IN ASSOCIATION WITH UPHAM INTERNATIONAL CORPORATION PVT LTD.
1101A, 11 Floor Tower A-II, Ansal Corporate Park,
Plot No. 7A/1, Sector 142, Noida-201301 (Uttar Pradesh)
Phone No- 0120-6148000 Fax-0120-6148090
Email: info@sainfra.com

Client :



INDIAN ACADEMY OF HIGHWAY ENGINEERS

Project:

Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two/four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkunda, Amreli, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NH/IAHE/16)

Drawing Title :

DGPS MAP

101+700 to 102+700

DRAWING NO : 1231580/FFR/48

DATE : APRIL-2017

DATE: 17 APR 2017
DESIGNED (A)

Revision : R0

DRAWN (B)	CHE
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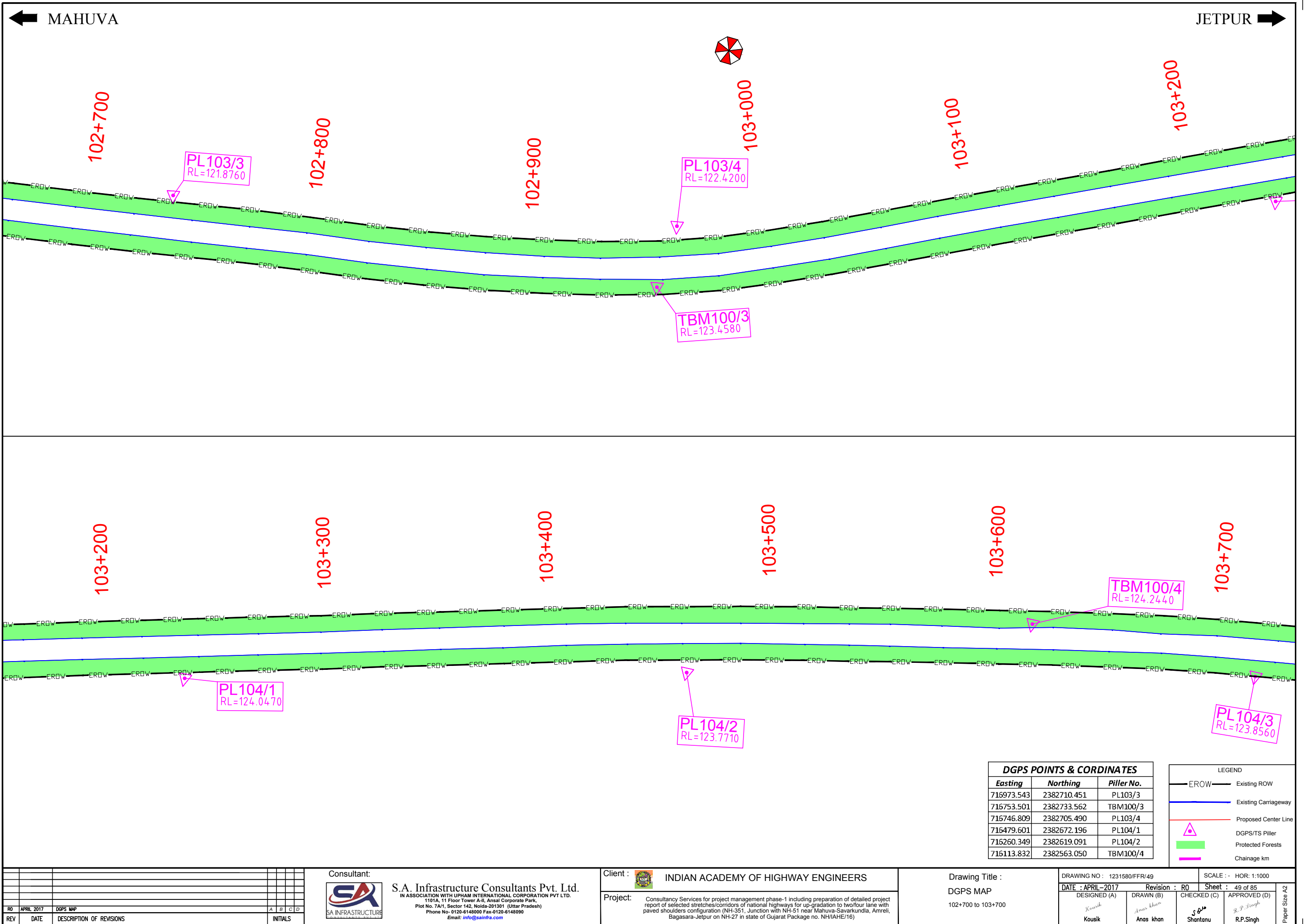
Sheet : 48 of 85

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DATE: 28/04/2017 - 6:05pm
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104+200

104+500

LEGEND

- Existing ROW
- Existing Carriageway
- Proposed Center Line
- DGPS/TS Pillar
- Protected Forests
- Chainage km

Consultant:



S.A. Infrastructure Consultants Pvt. Ltd.
IN ASSOCIATION WITH UPHAM INTERNATIONAL CORPORATION PVT LTD.
1101A, 11 Floor Tower A-II, Ansal Corporate Park,
Plot No. 7A/1, Sector 142, Noida-201301 (Uttar Pradesh)
Phone No-0120-6148000 Fax-0120-6148090
Email: info@sainfra.com

Client :



INDIAN ACADEMY OF HIGHWAY ENGINEERS

Project:

Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two/four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkunda, Amreli, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NH/IAHE/16)

Drawing Title :

DGPS MAP

103+700 to 104+700

DRAWING NO : 1231580/FFR/50

Revision : R0	
DRAWN (B)	CHECKED

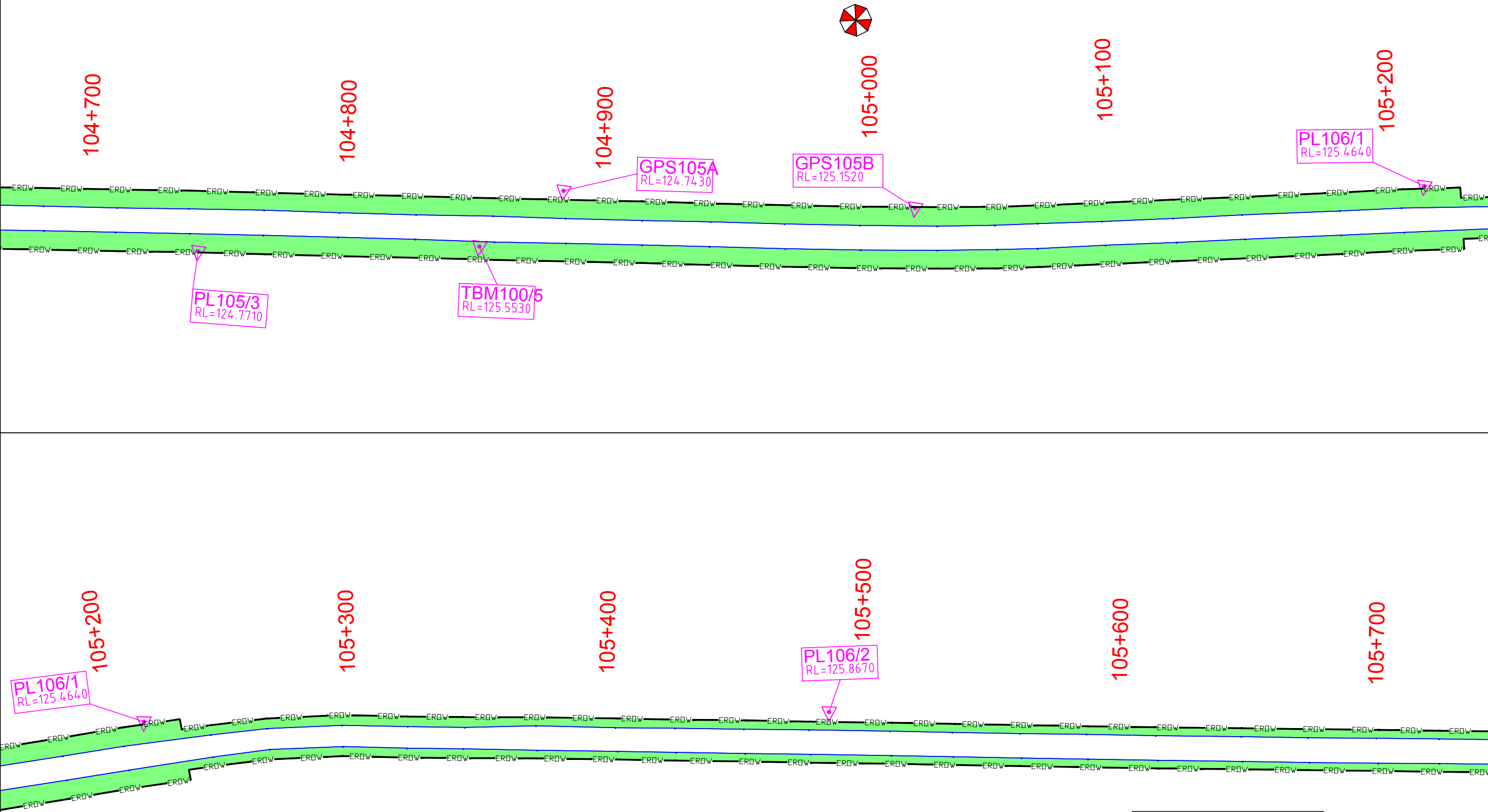
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Sheet : 50 of 85	
CKED (C)	APPROVED (D)

B. P. Singh

Paper Size A2	
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DATE: 28/04/2017 - 6:06pm
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DGPS POINTS & CORDINATES		
Easting	Northing	Piller No.
716260.349	2382619.091	PL105/3
716113.832	2382563.050	TBM100/5
716010.942	2382563.594	GPS105A
715764.841	2382514.855	GPS105B
715507.439	2382486.222	PL106/1
715272.723	2382481.149	PL106/2

LEGEND	
	EROW — Existing ROW
	Existing Carriageway
	Proposed Center Line
	DGPS/TS Piller
	Protected Forests
	Chainage km

← MAHUYA

JETPUR ➡

105+700

PL106/3
RL=127.3440

105+900

106+000
PL106/4
RL=128.6960

106+100

106+200

PL107/1
RL=129.6130

106+200

106+300

106+400

106+500
PL107/2
RL=131.2310

106+600

106+700

PL107/1
RL=129.6130

<i>DGPS POINTS & CORDINATES</i>		
<i>Easting</i>	<i>Northing</i>	<i>Pillar No.</i>
714993.890	2382448.560	PL106/3
714885.573	2382431.239	PL106/4
714856.100	2382405.132	PL107/1
714719.376	2382392.448	PL107/2

LEGEND

- EROW — Existing ROW
- Existing Carriageway
- Proposed Center Line
- △ DGPS/TS Pillar
- Protected Forests
- Chainage km

Consultant:

 S.A. Infrastructure Consultants Pvt. Ltd.
IN ASSOCIATION WITH UPHAM INTERNATIONAL CORPORATION PVT. LTD.
1101A, 11 Floor Tower A-II, Ansal Corporate Park,
Plot No. 7A/1, Sector 142, Noida-201301 (Uttar Pradesh)
Phone No- 0120-6148000 Fax-0120-6148090
Email: info@sainfra.com

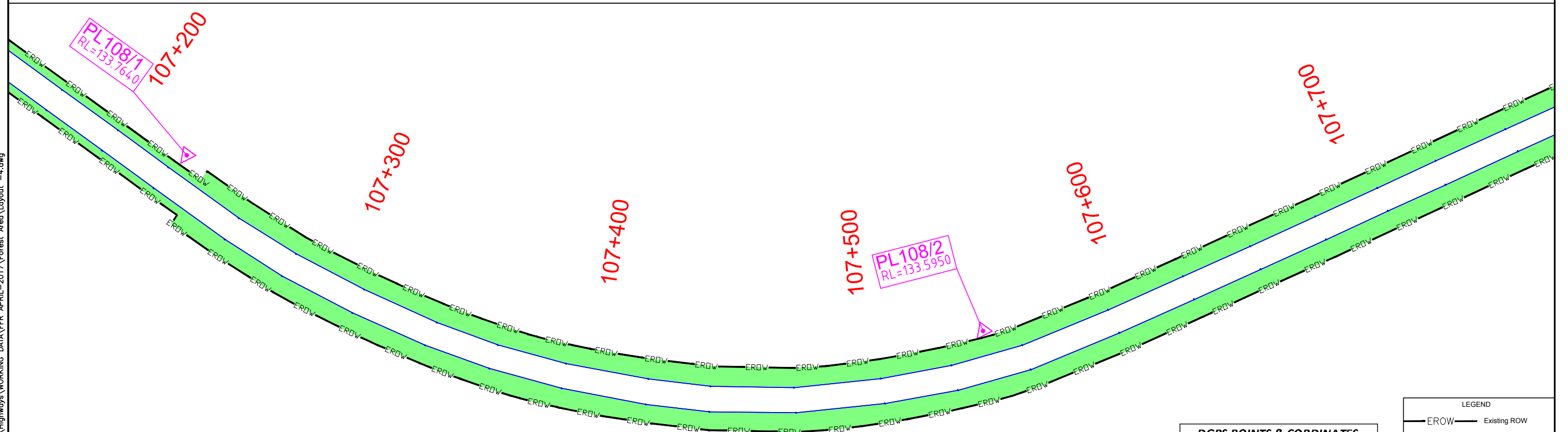
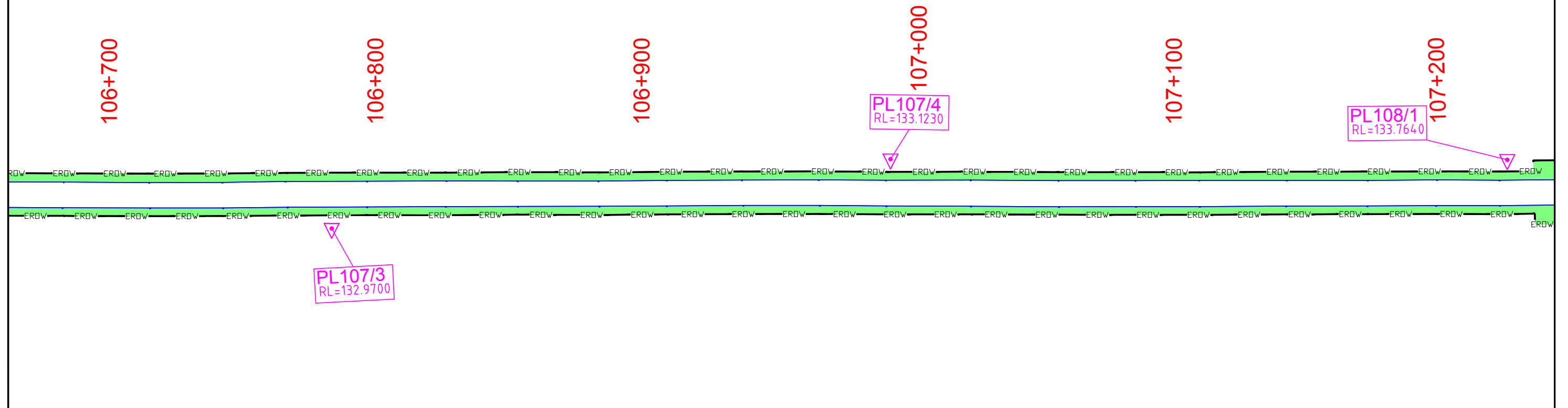
Client :	 INDIAN ACADEMY OF HIGHWAY ENGINEERS
Project:	Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two/four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkunda, Amreli, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NH/IAHE/16)

Drawing Title :
DGPS MAP
105+700 to 106+700

DRAWING NO : 1231580/FFR/52		SCALE :- HOR: 1:1000	
DATE : APRIL -2017		Revision : R0	
DESIGNED (A)		Sheet : 52 of 85	
<i>Kousik</i>	DRAWN (B)	CHECKED (C)	APPROVED (D)
	<i>Anas Khan</i>	<i>S</i>	<i>R.P.Singh</i>
Kousik	Anas Khan	Shantanu	R.P.Singh

DATE: 28/04/2017 - 6:07pm
PATH: Y:\HIGHWAY\2015\DP\1231580\Highways\WORKING DATA\FFR APRIL-2017\Forest Area\Layout -4.dwg

← MAHUYA

JETPUR 

DGPS POINTS & COORDINATES		
Easting	Northing	Pillar No.
714523.922	2382356.090	PL107/3
714256.863	2382344.954	PL107/4
713947.590	2382340.437	PL108/1
713744.270	2382339.108	PL108/2

LEGEND

- EROW — Existing ROW
- Existing Carriageway
- Proposed Center Line
- △ DGPS/TS Pillar
- Protected Forests
- Chainage km

Consultant:



S.A. Infrastructure Consultants Pvt. Ltd.
IN ASSOCIATION WITH UPHAM INTERNATIONAL CORPORATION PVT LTD.
1101A, 11 Floor Tower A-II, Ansal Corporate Park,
Plot No. 7A/1, Sector 142, Noida-201301 (Uttar Pradesh)
Phone No- 0120-6148000 Fax-0120-6148090
Email: info@sainfra.com

Client :



INDIAN ACADEMY OF HIGHWAY ENGINEERS

Project:

Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two/four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkunda, Amreli, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NH/IAHE/16)

Drawing Title :

DGPS MAP

106+700 to 107+700

DRAWING NO : 1231580/FFR/53

DATE : APRIL-2017

DATE : APRIL 2017
DESIGNED (A)

Revision : R0

DRAWN (B)	CHECKED
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Sheet : 53 of 85	
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REJECTED (C)	APPROVED (D)
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← MAHUYA

JETPUR ➡

107+700

107+800

PL108/3
RL=132.1140

107+900

108+000

108+100

108+200

PL108/4
RL=131.2630

PL108/4
RL=131.2630

108+200

108+300

108+400

108+500

108+600

PL109/2
RL=130.1290

108+700

PL109/1
RL=130.8470

DGPS POINTS & COORDINATES		
<i>Easting</i>	<i>Northing</i>	<i>Pillar No.</i>
713503.401	2382359.339	PL108/3
713228.440	2382330.738	PL108/4
712959.963	2382353.851	PL109/1
712750.362	2382325.129	PL109/2

LEGEND

- Existing ROW
- Existing Carriageway
- Proposed Center Line
- DGPS/TS Pillar
- Protected Forests
- Chainage km

Consultant:



S.A. Infrastructure Consultants Pvt. Ltd.
IN ASSOCIATION WITH UPHAM INTERNATIONAL CORPORATION PVT LTD.
1101A, 11 Floor Tower A-II, Ansal Corporate Park,
Plot No. 7A/1, Sector 142, Noida-201301 (Uttar Pradesh)
Phone No- 0120-6148000 Fax-0120-6148090
Email: info@sainfra.com

Client :



INDIAN ACADEMY OF HIGHWAY ENGINEERS

Project:

Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two/four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkunda, Amreli, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. N/A/HAHE/16)

Drawing Title :

DGPS MAP

107+700 to 108+700

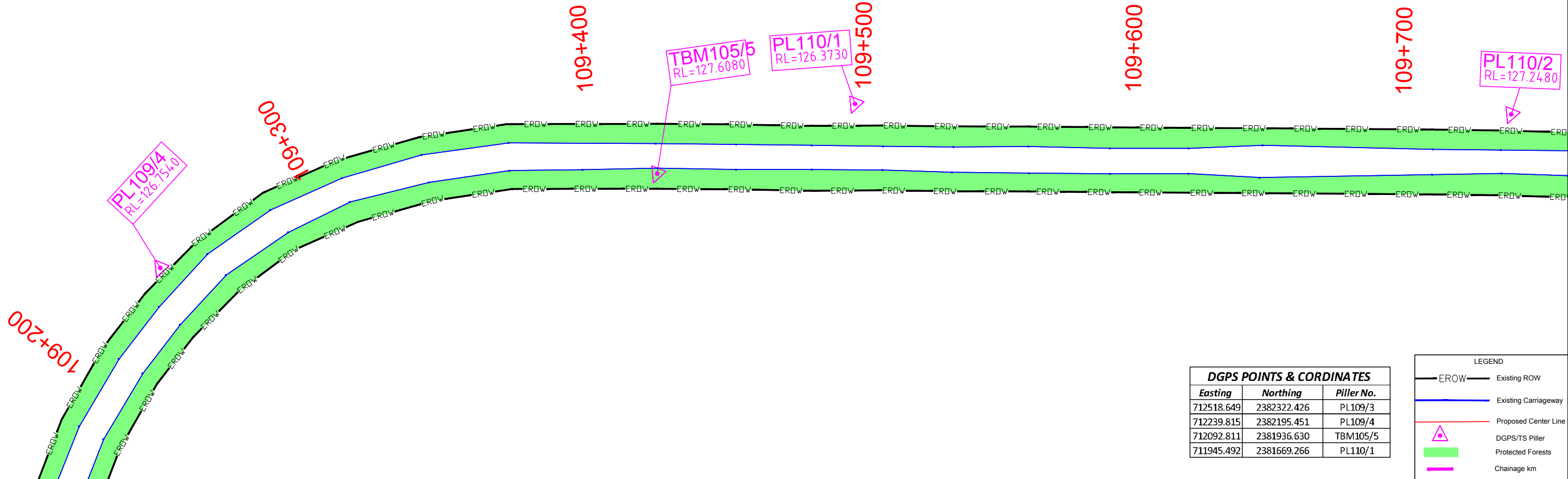
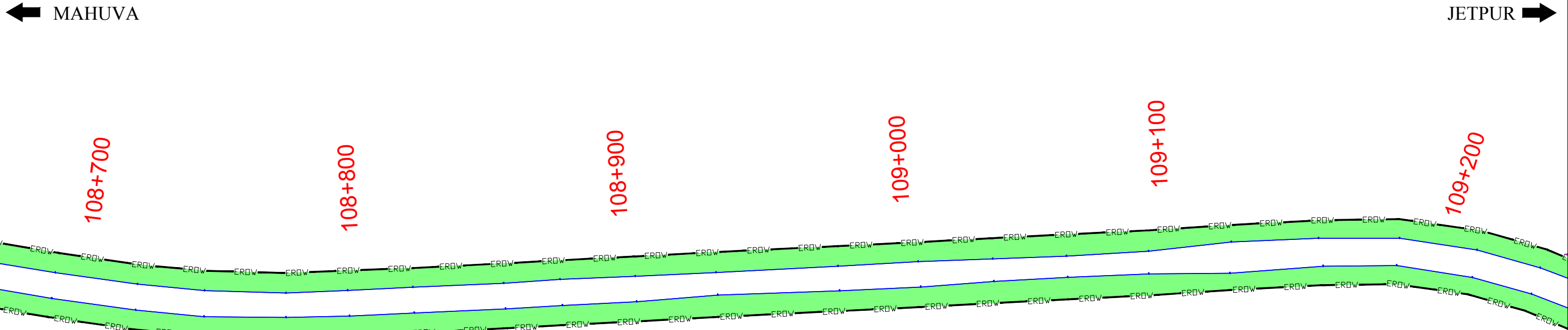
DRAWING NO : 1231580/FFR/54

DATE : APRIL-2017

DATE : 7 APRIL 2017
DESIGNED (A)

Revision : R0

REJECTED (C)	APPROVED (D)
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DGPS POINTS & CORDINATES		
Easting	Northing	Pillar No.
712518.649	2382322.426	PL109/3
712239.815	2382195.451	PL109/4
712092.811	2381936.630	TBM105/5
711945.492	2381669.266	PL110/1

LEGEND	
— EROW —	Existing ROW
— —	Existing Carriageway
— —	Proposed Center Line
▲	DGPS/TS Pillar
■	Protected Forests
—	Chainage km

REV	DATE	DESCRIPTION OF REVISIONS	INITIALS
RO	APRIL 2017	DGPS MAP	

Consultant:

S.A. Infrastructure Consultants Pvt. Ltd.
IN ASSOCIATION WITH UPHAM INTERNATIONAL CORPORATION PVT LTD.
1101A, 11 Floor Tower A-II, Ansal Corporate Park,
Plot No. 7A/1, Sector 142, Noida-201301 (Uttar Pradesh)
Phone No- 0120-6146000 Fax-0120-6148090
Email: info@sainfra.com

Client : **INDIAN ACADEMY OF HIGHWAY ENGINEERS**

Project: Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two-four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkundla, Amreli, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NH/IAHE/16)

Drawing Title :
DGPS MAP
108+700 to 109+700

DRAWING NO : 1231580/FFR/55	SCALE :- HOR: 1:1000
DATE : APRIL-2017	Revision : R0
DESIGNED (A) <i>Kousik</i> Kousik	DRAWN (B) <i>Anas Khan</i> Anas Khan
CHECKED (C) <i>Shantanu</i> Shantanu	APPROVED (D) <i>R.P. Singh</i> R.P. Singh
Sheet : 55 of 85	Paper Size A2



RO	APRIL 2017	DGPS MAP	A	B	C	D
REV	DATE	DESCRIPTION OF REVISIONS	INITIALS			

Consultant:

S.A. Infrastructure Consultants Pvt. Ltd.
IN ASSOCIATION WITH UPHAM INTERNATIONAL CORPORATION PVT LTD.
1101A, 11 Floor Tower A-II, Ansal Corporate Park,
Plot No. 7A/1, Sector 142, Noida-201301 (Uttar Pradesh)
Phone No- 0120-6146000 Fax-0120-6148090
Email: info@sainfra.com

Client : INDIAN ACADEMY OF HIGHWAY ENGINEERS

Project: Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two-four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkundla, Amreli, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NH/IAHE/16)

Drawing Title :
DGPS MAP
109+700 to 110+700

DRAWING NO : 1231580/FFR/56		SCALE :- HOR: 1:1000	
DATE : APRIL-2017	Revision : R0	Sheet : 56 of 85	
DESIGNED (A) <i>Kousik</i> Kousik	DRAWN (B) <i>Anas Khan</i> Anas Khan	CHECKED (C) <i>Shantanu</i> Shantanu	APPROVED (D) <i>R.P. Singh</i> R.P. Singh

Paper Size A2

DATE: 28/04/2017 - 6:08pm
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← MAHUYA

JETPUR ➡

110+700

110+800

110+900

111+000

111+100

111+200

PL111/2
RL=130.4330

PL111/3
RL=130.6780

111+200

111+300

111+400

111+500

111+600

111+700

TBM110/1
RL=132.1550

PL111/3
RL=130.6780

PL111/4
RL=132.2550

PL112/1
RL=132.4550

DGPS POINTS & CORDINATES		
<i>Easting</i>	<i>Northing</i>	<i>Piller No.</i>
711559.933	2380528.519	PL111/2
711501.643	2380477.234	PL111/3
711274.924	2380390.200	PL111/4
710761.408	2380185.320	PL112/1

LEGEND

	Existing ROW
	Existing Carriageway
	Proposed Center Line
	DGPS/TS Pillar
	Protected Forests
	Chainage km

Consultant:



S.A. Infrastructure Consultants Pvt. Ltd.
IN ASSOCIATION WITH UPHAM INTERNATIONAL CORPORATION PVT LTD.
1101A, 11 Floor Tower A-II, Ansal Corporate Park,
Plot No. 7A/1, Sector 142, Noida-201301 (Uttar Pradesh)
Phone No- 0120-6148000 Fax-0120-6148090
Email: info@sainfra.com

Client :



INDIAN ACADEMY OF HIGHWAY ENGINEERS

Project:

Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two/four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkunda, Amreli, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NH/IAHE/16)

Drawing Title :

DGPS MAP

110+700 to 111+700

DRAWING NO : 1231580/FFR/57

DATE : APRIL-2017

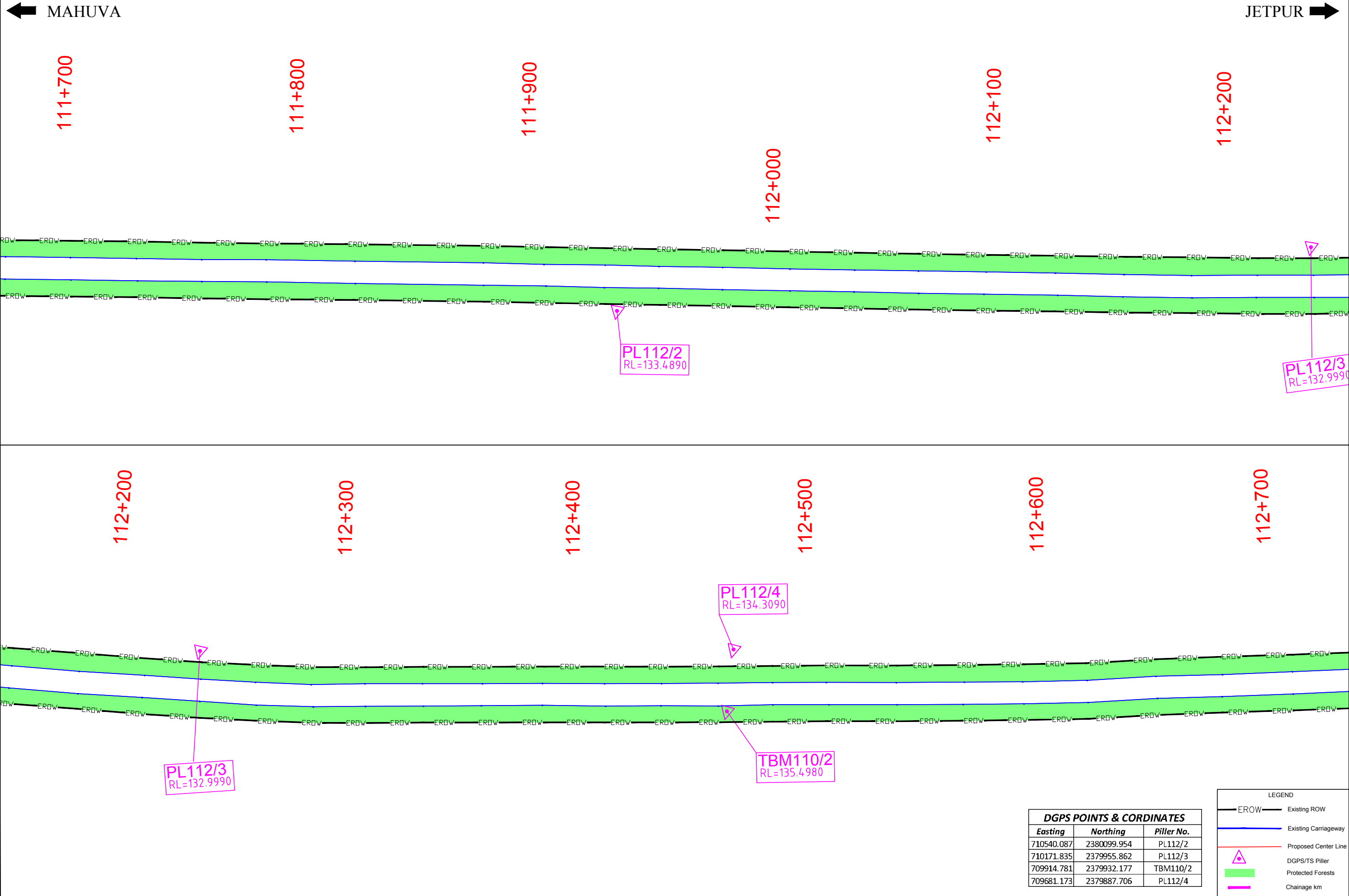
DESIGNED (A)

Revision : R0

DRAWN (B)	CHECKED
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Sheet : 57 of 85

REJECTED (C)	APPROVED (D)
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RO	APRIL 2017	DGPS MAP	A	B	C	D
REV	DATE	DESCRIPTION OF REVISIONS	INITIALS			

Consultant:



S.A. Infrastructure Consultants Pvt. Ltd.
IN ASSOCIATION WITH UPHAM INTERNATIONAL CORPORATION PVT. LTD.
1101A, 11 Floor Tower A-II, Ansal Corporate Park,
Plot No. 7A/1, Sector 142, Noida-201301 (Uttar Pradesh)
Phone No- 0120-6146000 Fax-0120-6148090
Email: info@sainfra.com

Client :  INDIAN ACADEMY OF HIGHWAY ENGINEERS

Project: Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two-four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkundla, Amreli, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NH/IAHE/16)

Drawing Title :
DGPS MAP
111+700 to 112+700

DRAWING NO : 1231580/FFR/58

SCALE :- HOR: 1:1000

DATE : APRIL-2017

Revision : R0

Sheet : 58 of 85

DESIGNED (A)
Kousik
Kousik

DRAWN (B)
Anas Khan
Anas Khan

CHECKED (C)
Shantanu
Shantanu

APPROVED (D)
R.P. Singh
R.P. Singh

Paper Size A2

← MAHUYA

JETPUR

112+700

112+800

112+900

113+000

113+100

113+200

PL113/1
RL=135.2300

PL113/2
RL=136.2480

113+200

113+300

113+400

PL113/3
RL=136.5400

PL113/4
RL=137.6830

DGPS POINTS & CORDINATES		
Easting	Northing	Pillar No.
709452.188	2379846.836	PL113/1
709692.075	2379869.752	PL113/2
709167.258	2379798.488	PL113/3

LEGEND

- EROW — Existing ROW
- Existing Carriageway
- Proposed Center Line
- △ DGPS/TS Pillar
- Protected Forests
- Chainage km

Consultant:



S.A. Infrastructure Consultants Pvt. Ltd.
IN ASSOCIATION WITH UPHAM INTERNATIONAL CORPORATION PVT LTD.
1101A, 11 Floor Tower A-II, Ansal Corporate Park,
Plot No. 7A/1, Sector 142, Noida-201301 (Uttar Pradesh)
Phone No- 0120-6148000 Fax-0120-6148090
Email: info@sainfra.com

Client :



INDIAN ACADEMY OF HIGHWAY ENGINEERS

Project:

Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two/four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkundla, Amreli, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NH/IAHE/16)

Drawing Title :

DGPS MAP

112+700 to 113+400

DRAWING NO : 1231580/FFR/59

DATE : APRIL-2017

DESIGNED (A)

Revision : R0

DRAWN (B)	CHECK
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Sheet : 59 of 85

REJECTED (C)	APPROVED (D)
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← MAHUYA

JETPUR ➡

10% DOWN

120

119+800

119+900

120+000

120+100

120+200

120+300

PL119/4
RL=152.2480

TBM119/3
RL=153.9600

PL120/2
RL=153.6590

LEGEND

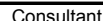
DGPS POINTS & CORDINATES		
<i>Easting</i>	<i>Northing</i>	<i>Piller No.</i>
703210.235	2378233.632	PL119/3
702967.174	2378356.488	PL119/4
702957.381	2378354.340	TBM119/3
702699.335	2378506.164	PL120/2

LEGEND

- EROW — Existing ROW
- Existing Carriageway
- Proposed Center Line
- △ DGPS/TS Piller
- Protected Forests
- Chainage km

RD	APRIL 2017	DGPS MAP	A	B	C D
REV	DATE	DESCRIPTION OF REVISIONS	INITIALS		

Consultant:



S.A. Infrastructure Consultants Pvt. Ltd.
IN ASSOCIATION WITH UPHAM INTERNATIONAL CORPORATION PVT. LTD.
1101A, 11 Floor Tower A-1, Global Corporate Park
Plot No. 7A/1, Sector 142, Noida-201301 (Uttar Pradesh)
Phone No- 0120-6148000 Fax-0120-6148090
Email: info@sainfra.com

Client :	 INDIAN ACADEMY OF HIGHWAY ENGINEERS
Project:	Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two/four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkunda, Amrell, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NH/IAHE/16)

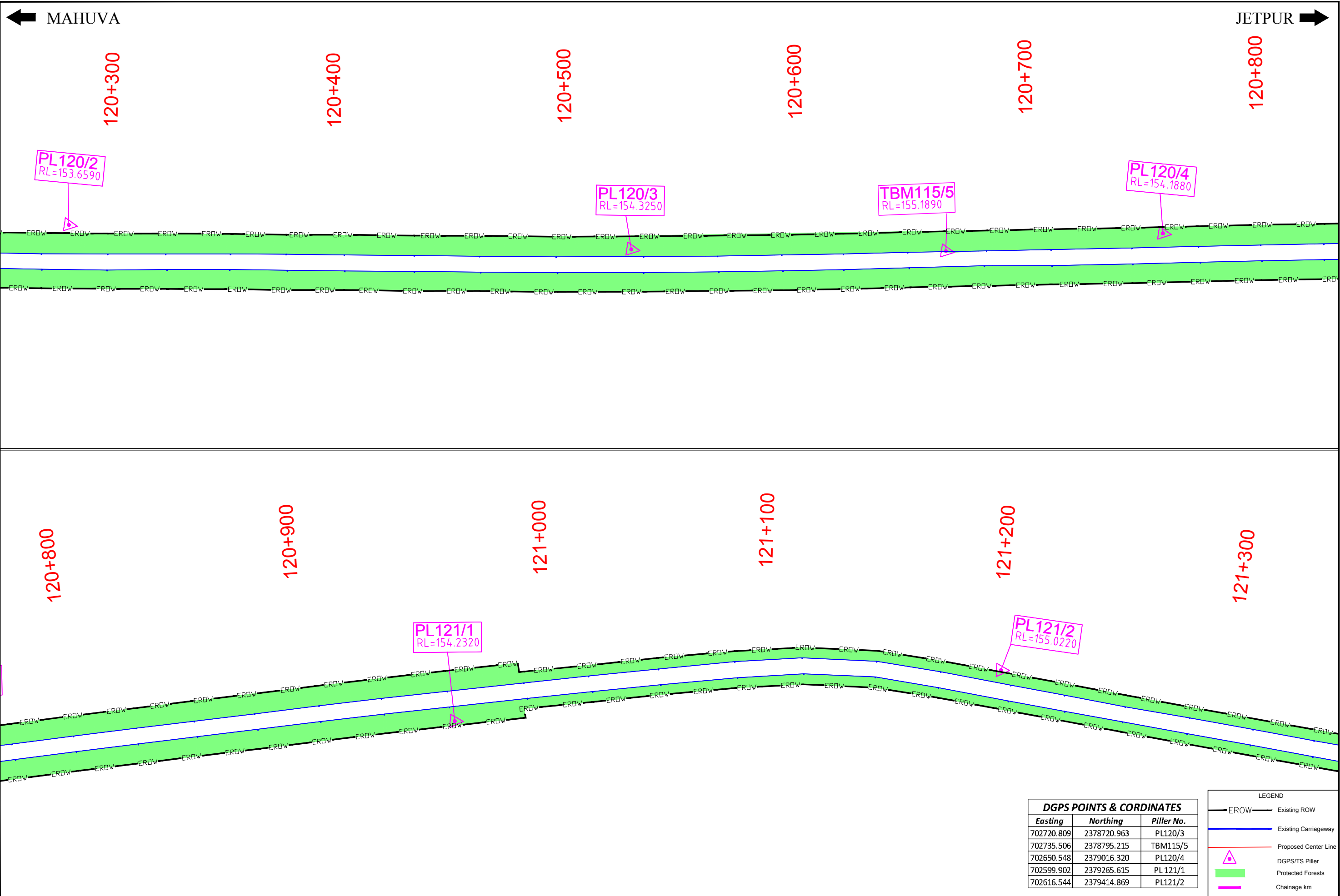
Drawing Title :
DGPS MAP
119+300 to 120+300

DRAWING NO : 1231580/FFR/60		SCALE :- HOR: 1:1000	
DATE : APRIL-2017		Revision : R0	
SHEET : 60 of 85		Sheet : 60 of 85	
DRAWN (A)	DRAWN (B)	CHECKED (C)	APPROVED (D)
Kousik	Anas khaan	Shantanu	R.P.Singh
Kousik	Anas khan	Shantanu	R.P.Singh

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RO	APRIL 2017	DGPS MAP	A	B	C	D
REV	DATE	DESCRIPTION OF REVISIONS	INITIALS			

Consultant:

S.A. Infrastructure Consultants Pvt. Ltd.
IN ASSOCIATION WITH UPHAM INTERNATIONAL CORPORATION PVT LTD.
1101A, 11 Floor Tower A-II, Ansal Corporate Park,
Plot No. 7A/1, Sector 142, Noida-201301 (Uttar Pradesh)
Phone No- 0120-6146000 Fax-0120-6148090
Email: info@sainfra.com

Client : INDIAN ACADEMY OF HIGHWAY ENGINEERS

Project: Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two-four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkundla, Amreli, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NH/IAHE/16)

Drawing Title :
DGPS MAP
120+300 to 121+300

DRAWING NO : 1231580/FFR/61		SCALE :- HOR: 1:1000	
DATE : APRIL-2017		Revision : R0	
DESIGNED (A) <i>Kousik</i> Kousik	DRAWN (B) <i>Anas Khan</i> Anas Khan	CHECKED (C) <i>Shantanu</i> Shantanu	APPROVED (D) <i>R.P. Singh</i> R.P. Singh
Sheet : 61 of 85		Paper Size A2	

DGPS POINTS & CORDINATES		
Easting	Northing	Pillar No.
702720.809	2378720.963	PL120/3
702735.506	2378795.215	TBM115/5
702650.548	2379016.320	PL120/4
702599.902	2379265.615	PL 121/1
702616.544	2379414.869	PL121/2

LEGEND

— EROW —

Existing ROW

—

Existing Carriageway

—

Proposed Center Line

△

DGPS/TS Pillar

■

Protected Forests

—

Chainage km

← MAHUYA

JETPUR ➡

121+300

121+400

121+500

121+600

121+700

121+800

GPS120B
RL=153.8120

PL121/3
RL=154.6830

PL121/4
RL=154.4080

GPS120B
RL=153.8120

 $121+800$

121+900

122+000

122+100

122+200

 $122+300$

GPS120A
RL=153.6980

PL122/2
RL=153.6580

PL122/3
RL=153.1700

TBM115/6
RL=155.5480

Consultant:



Client :



INDIAN ACADEMY OF HIGHWAY ENGINEERS

Project:

Drawing Title :

DGPS MAP

121+300 to 122+300

DRAWING NO : 1231580/FFR/62

DATE : APRIL-2017

DESIGNED (A)

Revision : R0

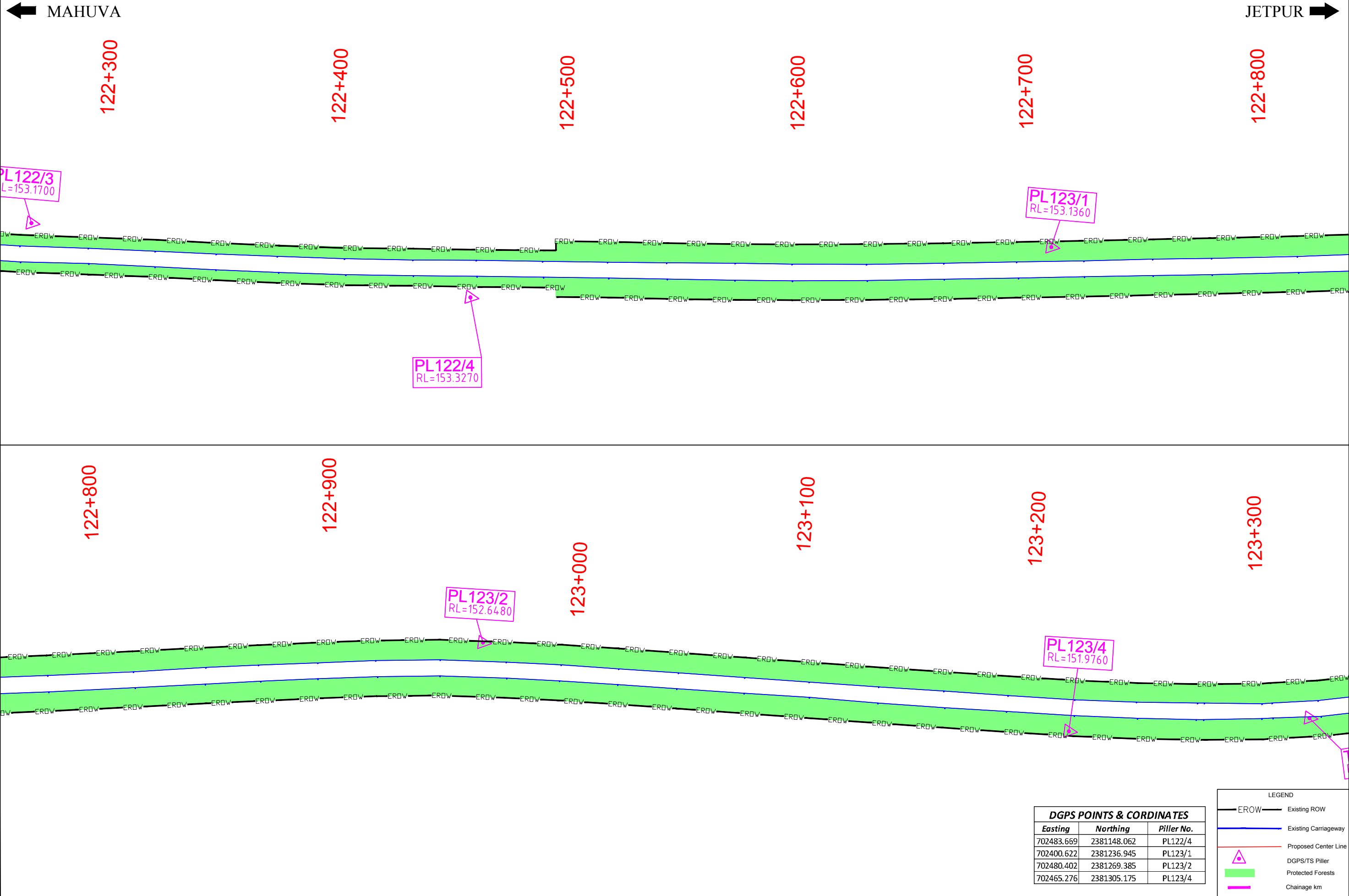
DRAWN (B)	CHECKED
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Sheet : 62 of 85

REJECTED (C)	APPROVED (D)
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APR 01 2005

DATE: 28/04/2017 - 6:11pm
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DATE: 28/04/2017 - 6:12pm
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RO	APRIL 2017	DGPS MAP	A	B	C	D
REV	DATE	DESCRIPTION OF REVISIONS	INITIALS			

Consultant:

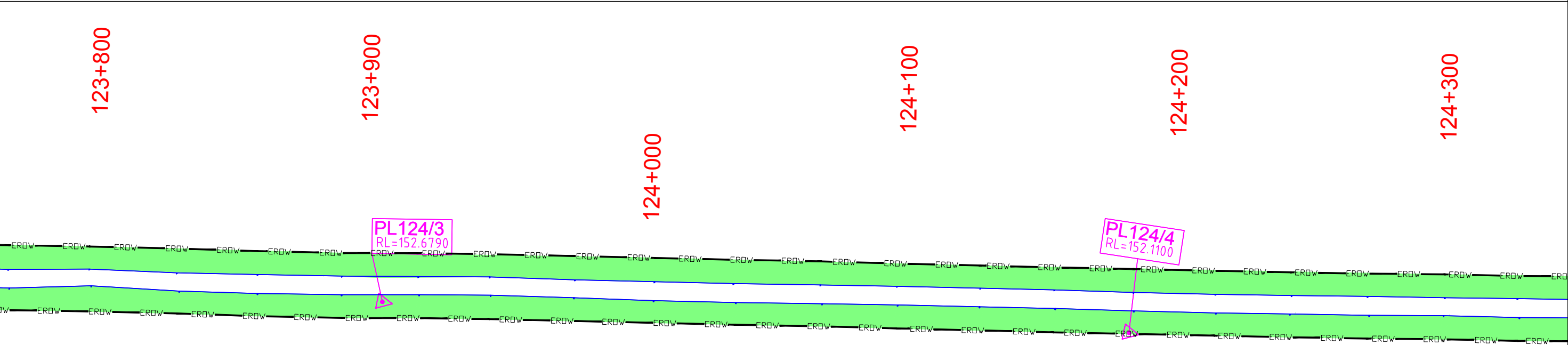
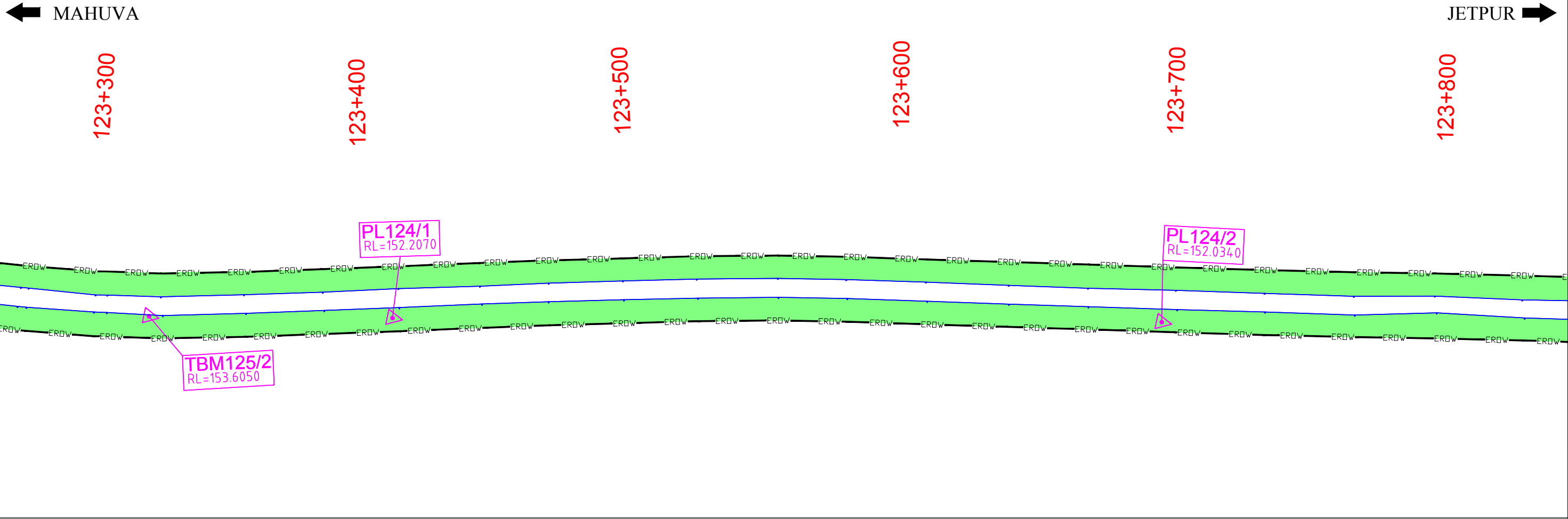
S.A. Infrastructure Consultants Pvt. Ltd.
IN ASSOCIATION WITH UPHAM INTERNATIONAL CORPORATION PVT LTD.
1101A, 11 Floor Tower A-4, Ansal Corporate Park,
Plot No. 7A/1, Sector 142, Noida-201301 (Uttar Pradesh)
Phone No- 0120-6146000 Fax-0120-6148090
Email: info@sainfra.com

Client :  **INDIAN ACADEMY OF HIGHWAY ENGINEERS**

Project: Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two-four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkundla, Amreli, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NH/IAHE/16)

Drawing Title :
DGPS MAP
122+300 to 123+300

DRAWING NO : 1231580/FFR/63	SCALE : - HOR: 1:1000
DATE : APRIL-2017	Revision : R0
DESIGNED (A) <i>Kousik</i> Kousik	DRAWN (B) <i>Anas Khan</i> Anas Khan
CHECKED (C) <i>Shantanu</i> Shantanu	APPROVED (D) <i>R.P. Singh</i> R.P. Singh
Sheet : 63 of 85	Paper Size A2



DGPS POINTS & CORDINATES		
Easting	Northing	Pillar No.
702494.222	2381510.490	TBM125/2
702509.576	2381728.718	PL124/1
702513.092	2381920.352	PL124/2
702454.515	2382164.469	PL124/3
702411.334	2382417.536	PL124/4

LEGEND	
— EROW —	Existing ROW
— — —	Existing Carriageway
— — —	Proposed Center Line
△	DGPS/TS Pillar
■	Protected Forests
— — —	Chainage km

REV	DATE	DESCRIPTION OF REVISIONS	INITIALS
RO	APRIL 2017	DGPS MAP	A B C D

Consultant:

S.A. Infrastructure Consultants Pvt. Ltd.
IN ASSOCIATION WITH UPHAM INTERNATIONAL CORPORATION PVT LTD.
1101A, 11 Floor Tower A-II, Ansal Corporate Park,
Plot No. 7A/1, Sector 142, Noida-201301 (Uttar Pradesh)
Phone No- 0120-6146000 Fax-0120-6148090
Email: info@sainfra.com

Client : **INDIAN ACADEMY OF HIGHWAY ENGINEERS**

Project: Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two/four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkundla, Amreli, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NH/IAHE/16)

Drawing Title :
DGPS MAP
123+300 to 124+300

DRAWING NO : 1231580/FFR/64		SCALE :- HOR: 1:1000	
DATE : APRIL-2017	Revision : R0	Sheet : 64 of 85	
DESIGNED (A) <i>Kousik</i> Kousik	DRAWN (B) <i>Anas Khan</i> Anas Khan	CHECKED (C) <i>Shantanu</i> Shantanu	APPROVED (D) <i>R.P. Singh</i> R.P. Singh

Paper Size A2

← MAHUYA

JETPUR ➡

124+300

124+400

124+500

124+600

 $124+700$

124+800

PL125/1
RL=151.2020

PL125/2
RL=150.6840

124+800

124+900

125+100

125+200

125+300

PL125/3
RL=149.6460

PL125/4
RL=149.1640

LEGEND

- EROW — Existing ROW
- Existing Carriageway
- Proposed Center Line
- △ DGPS/TS Pillar
- Protected Forests
- Chainage km

Consultant:



Client :	
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INDIAN ACADEMY OF HIGHWAY ENGINEERS

Project:

Drawing Title :

DGPS MAP

124+300 to 125+300

DRAWING NO :	1231580/FFR/65
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DATE : APRIL-2017

DESIGNED (A)

Revision : R0

DRAWN (B)	CHE
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Sheet : 65 of 85

REJECTED (C)	APPROVED (D)
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DATE : 7 APRIL 2017
DESIGNED (A)

R0	Sheet : 66 of 85
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DATE: 28/04/2017 - 6:13pm
PATH: Y:\HIGHWAY\2015\DP\1231580\Highways\WORKING DATA\FR APRIL-2017\Forest Area\Layout -5.dwg

← MAHUYA

JETPUR ➡

 $126+300$ $126+400$

126+500

126+600

126+700

126+800

PL126/4
RL=149.0530

PL127/1
RL=148.9810

126+800

126+900

126+967

PL127/2
RL=148.9820

DGPS POINTS & CORDINATES		
<i>Easting</i>	<i>Northing</i>	<i>Pillar No.</i>
702148.044	2384176.073	PL126/4
702093.833	2384401.806	PL127/1
702113.215	2384594.786	PL127/2

LEGEND

- EROW — Existing ROW
- Existing Carriageway
- Proposed Center Line
- △ DGPS/TS Pillar
- Protected Forests
- Chainage km

Consultant:



S.A. Infrastructure Consultants Pvt. Ltd.
IN ASSOCIATION WITH UPHAM INTERNATIONAL CORPORATION PVT LTD.
1101A, 11 Floor Tower A-II, Ansal Corporate Park,
Plot No. 7A/1, Sector 142, Noida-201301 (Uttar Pradesh)
Phone No- 0120-6148000 Fax-0120-6148090
Email: info@sainfra.com

Client :



INDIAN ACADEMY OF HIGHWAY ENGINEERS

Project:

Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two/four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkundla, Amreli, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NH/IAHE/16)

Drawing Title :

DGPS MAP

126+300 to 126+967

DRAWING NO : 1231580/FFR/67

DATE : APRIL-2017

DESIGNED (A)

Kousik

FFR/67

Revision : R0

DRAWN (B)	CHECKED
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anas.khan

SCALE :- HOR: 1:1000

Sheet : 67 of 85

REJECTED (C)	APPROVED (D)
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महाराष्ट्र	R. P. Singh
------------	-------------

1

DATE: 28/04/2017 - 6:13pm
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← MAHUYA

JETPUR ➡

$$\begin{array}{l} 127+390 \\ 127+400 \end{array}$$

127+500

127+600

127+700

127+800

127+900

[illegible]

125B
.7250

P128/1
RL=147.4640

P128/2
RL=147.9670

127+900

128+000

128+100

128+200

 $128+300$ $128+400$

P128/4
RL=149.4190

TBM125/1A
RL=150.6420

P129/1
RL=148.5800

DGPS POINTS & CORDINATES		
Easting	Northing	Piller No.
702440.467	2385803.833	P128/1
702580.230	2386005.262	P128/2
702704.080	2386218.754	P128/4
702858.564	2386545.399	TBM125/1A
702733.802	2386663.633	P129/1

LEGEND

- Existing ROW
- Existing Carriageway
- Proposed Center Line
- DGPS/TS Pillar
- Protected Forests
- Chainage km

Consultant:



S.A. Infrastructure Consultants Pvt. Ltd.
IN ASSOCIATION WITH UPHAM INTERNATIONAL CORPORATION PVT LTD.
1101A, 11 Floor Tower A-II, Ansal Corporate Park,
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Phone No- 0120-6148000 Fax-0120-6148090
Email: info@sainfra.com

Client :



INDIAN ACADEMY OF HIGHWAY ENGINEERS

Project:

Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two/four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkunda, Amreli, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NH/AHE/16)

Drawing Title :

DGPS MAP

127+390 to 128+400

DRAWING NO : 1231580/FFR/68

DATE : APRIL-2017

DESIGN

Kousik

00/FFR/68

Revision

DRAWN (B)

Anas Khan

SCALE : - HOR: 1:1000

Sheet : 68 of 85

RECEIVED (C)	APPROVED (C)

R. P. Singh

Paper Size A4

DATE: 28/04/2017 - 6:14pm
PATH: Y:\HIGHWAY\2015\DP\1231580\Highways\WORKING DATA\FFR APRIL-2017\Forest Area\Layout -5.dwg

← MAHUYA

JETPUR ➡

128+400

128+500

128+600

128+700

128+800

128+900

P129/2
RL=149.4180

P129/3
RL=150.6300

TBM125/2A
RL=151.1210

P129/4
RL=151.4950

128+900

129+000

129+100

129+200

129+300

129+400

DGPS POINTS & COORDINATES		
<i>Easting</i>	<i>Northing</i>	<i>Pillar No.</i>
702673.068	2386700.943	P129/2
702451.393	2386812.578	TBM125/2A
702267.393	2386927.859	P129/3
702035.210	2387053.740	P129/4

LEGEND

-  Existing ROW
-  Existing Carriageway
-  Proposed Center Line
-  DGPS/TSS Pillar
-  Protected Forests
-  Chainage km

Consultant:



S.A. Infrastructure Consultants Pvt. Ltd.
IN ASSOCIATION WITH UPHAM INTERNATIONAL CORPORATION PVT LTD.
1101A, 11 Floor Tower A-II, Ansal Corporate Park,
Plot No. 7A/1, Sector 142, Noida-201301 (Uttar Pradesh)
Phone No- 0120-6148000 Fax-0120-6148090
Email: info@sainfra.com

Client :	
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INDIAN ACADEMY OF HIGHWAY ENGINEERS

Project:

Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two/four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkunda, Amreli, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NH/IAHE/16)

Drawing Title :

DGPS MAP

128+400 to 129+400

DRAWING NO : 1231580/FFR/69

DATE : APRIL-2017

DESIGNED (A)

Revision : R0

DRAWN (B)	CHECKED
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R0	Sheet : 69 of 85	
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CHECKED (C)	APPROVED (D)
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← MAHUYA

NETPUR →

129+400

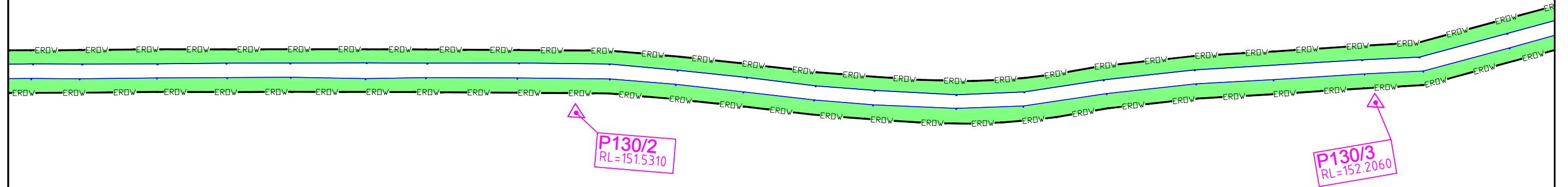
129+500

129+600

129+700

129+800

129+900



129+900

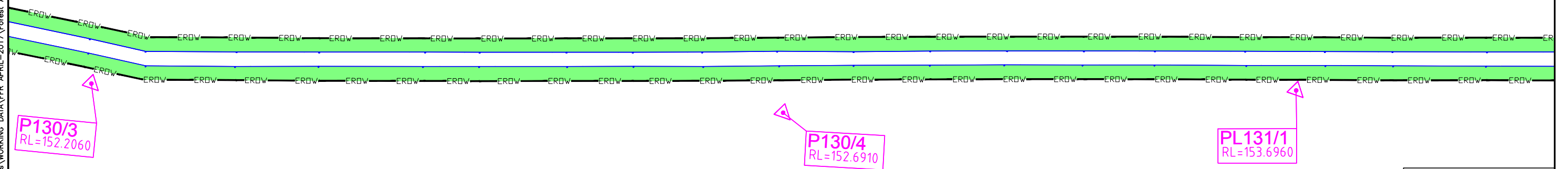
130+000

130+100

130+200

130+300

130+400



DGPS POINTS & COORDINATES		
<i>Easting</i>	<i>Northing</i>	<i>Pillar No.</i>
701973.902	2387122.320	P130/2
701914.424	2387203.013	P130/3
701762.958	2387331.364	P130/4
701696.222	2387417.519	P131/1

LEGEND

- Existing ROW
- Existing Carriageway
- Proposed Center Line
- DGPS/TS Pillar
- Protected Forests
- Chainage km

Consultant:



S.A. Infrastructure Consultants Pvt. Ltd.
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Phone No- 0120-6148000 Fax-0120-6148090
Email: info@sainfra.com

Client :



INDIAN ACADEMY OF HIGHWAY ENGINEERS

Project:

Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two/four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkundla, Amreli, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NH/IAHE/16)

Drawing Title :

DGPS MAP

129+400 to 130+400

DRAWING NO :	1231580/FFR/70
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DATE : APRIL-2017

DESIGNED (A)

580/FFR/70

Revision : R0

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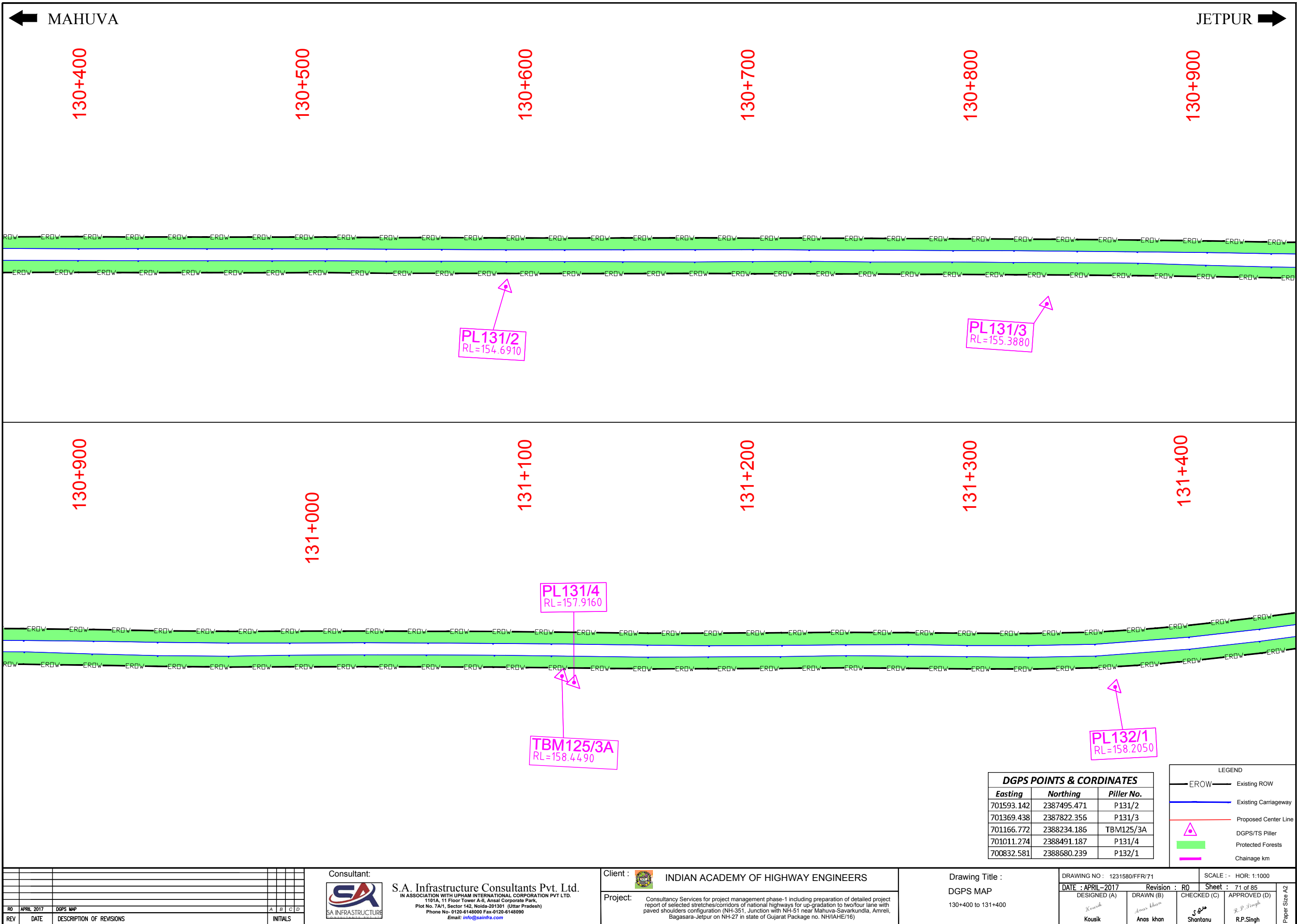
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	<i>Singh</i>

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← MAHUYA

UETPUR →

131+400

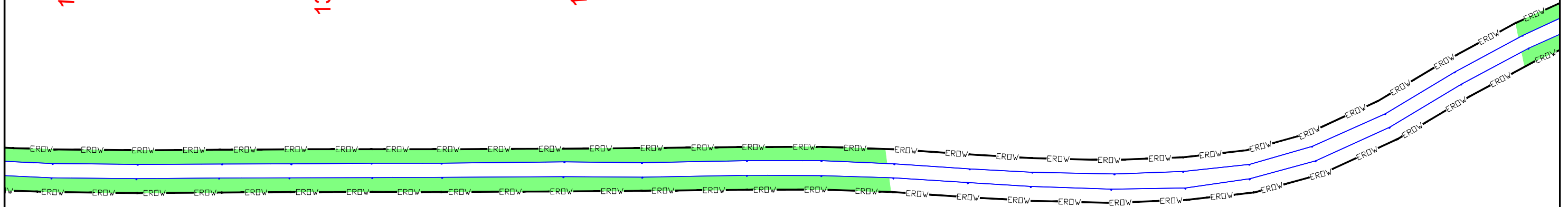
131+500

131+600

$$\begin{array}{r} 131+700 \\ 131+710 \end{array}$$
 $131+800$

131+

UR ■



GPS130A
RL=158.4510

GPS130B
RL=158.1160

LEGEND

- EROW — Existing ROW
- Existing Carriageway
- Proposed Center Line
- △ DGPS/TS Pillar
- Protected Forests
- Chainage km

Consultant:



Client :	
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INDIAN ACADEMY OF HIGHWAY ENGINEERS

Project:

Drawing Title :

DGPS MAP

131+400 to 131+700

DRAWING NO :	1231580/FFR/72
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DATE : APRIL-2017

DESIGNED (A)

Kousik

Revision : R0

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Sheet : 72 of 85

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	R. P. Singh
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← MAHUYA

JETPUR ➡

132+000

132+100

132+200

 $132+300$ $132+400$

132+500

132+500

132+600

132+700

132+800

132+900

133+000

PL132/2
RL=163.4450

TBM130/2
RL=164.4510

DGPS POINTS & CORDINATES		
<i>Easting</i>	<i>Northing</i>	<i>Pillar No.</i>
700332.577	2389169.152	TBM130/2
700124.942	2389360.776	PL132/2

LEGEND

- EROW — Existing ROW
- Existing Carriageway
- Proposed Center Line
- △ DGPS/TS Pillar
- Protected Forests
- Chainage km

Consultant:



S.A. Infrastructure Consultants Pvt. Ltd.
IN ASSOCIATION WITH UPHAM INTERNATIONAL CORPORATION PVT LTD.
1101A, 11 Floor Tower A-11, Ansal Corporate Park,
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Phone No- 0120-6148000 Fax-0120-6148090
Email: info@sainfra.com

Client :



INDIAN ACADEMY OF HIGHWAY ENGINEERS

Project:

Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two/four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkunda, Amreli, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NH/IAHE/16)

Drawing Title :

DGPS MAP

132+000 to 133+000

DRAWING NO : 1231580/FFR/73

Revision : R0

DESIGNED (A)

Kousik

DRAWN (B)	CHE
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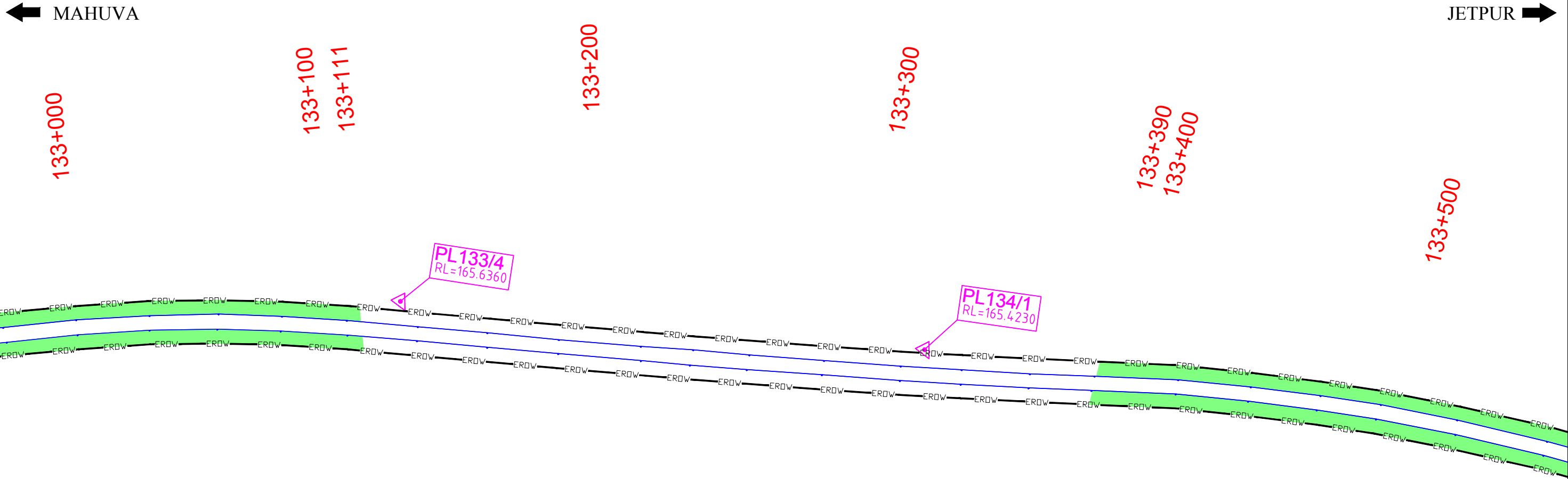
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Sheet : 73 of 85

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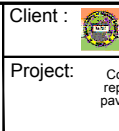


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REV	DATE	DESCRIPTION OF REVISIONS	INITIALS
RO	APRIL 2017	DGPS MAP	



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IN ASSOCIATION WITH UPHAM INTERNATIONAL CORPORATION PVT LTD.
1101A, 11 Floor Tower A-II, Ansal Corporate Park,
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Phone No- 0120-6146000 Fax-0120-6148090
Email: info@sainfra.com



Client : INDIAN ACADEMY OF HIGHWAY ENGINEERS

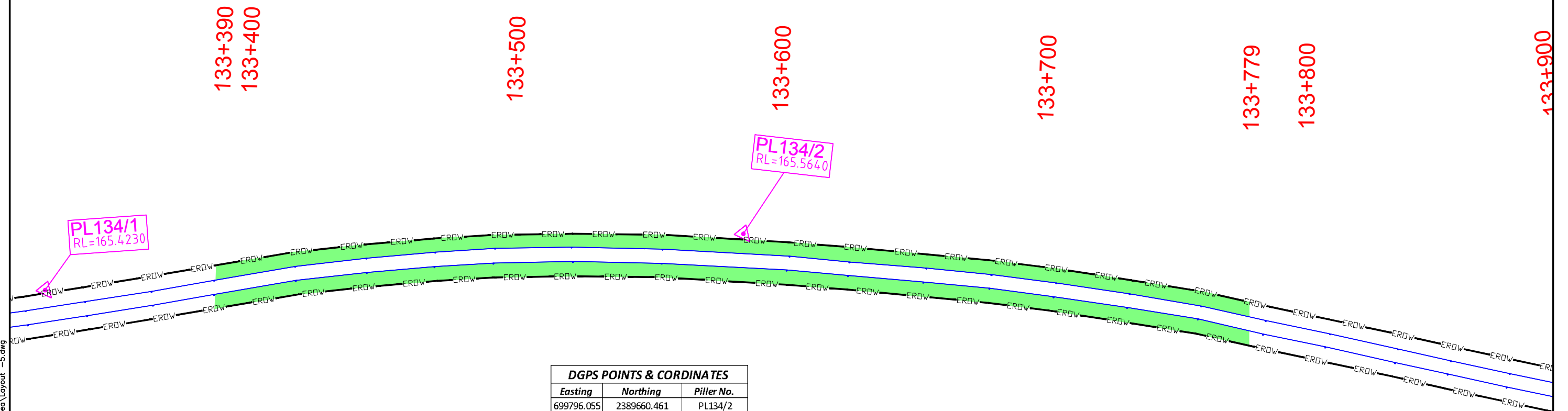
Project: Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two-four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkundla, Amreli, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NH/IAHE/16)

Drawing Title :
DGPS MAP
133+000 to 133+100

DRAWING NO : 1231580/FFR/74	SCALE :- HOR: 1:1000
DATE : APRIL-2017	Revision : R0
DESIGNED (A) Kousik	DRAWN (B) Anas khan
CHECKED (C) Shantanu	APPROVED (D) R.P.Singh
Sheet : 74 of 85	Paper Size A2

← MAHUYA

JETPUR ➡



DGPS POINTS & CORDINATES		
Easting	Northing	Pillar No.
699796.055	2389660.461	PL134/2

LEGEND

	Existing ROW
	Existing Carriageway
	Proposed Center Line
	DGPS/TS Piller
	Protected Forests
	Chainage km

Consultant:



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Email: info@sainfra.com

Client :	
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INDIAN ACADEMY OF HIGHWAY ENGINEERS

Project:

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Drawing Title :

DGPS MAP

133+390 to 133+779

DRAWING NO :	1231580/FFR/75
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DATE : APRIL-2017

DESIGNED (A)

Kousik

Revision : R0

DRAWN (B)	CHECKED
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Adnan Khan

Sheet : 75 of 85

REJECTED (C)	APPROVED (D)
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	R.P. Singh	
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April 2020

← MAHUYA

JETPUR ➡

$$134+200$$

$$134+220$$

134+300

134+400

134+500

134+600

134+700

PL135/3
RL=168.6360

134+700

134+800

134+900

135+000

135+100

135+200

360

TR

DGPS POINTS & CORDINATES		
Easting	Northing	Pillar No.
698918.851	2390210.356	PL135/3

Consultant:



S.A. Infrastructure Consultants Pvt. Ltd.
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1101A, 11 Floor Tower A-II, Ansal Corporate Park,
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Email: info@sainfra.com

Client :



INDIAN ACADEMY OF HIGHWAY ENGINEERS

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Drawing Title :

DGPS MAP

134+200 to 135+200

DRAWING NO : 1231580/FFR/76

DATE : APRIL-2017

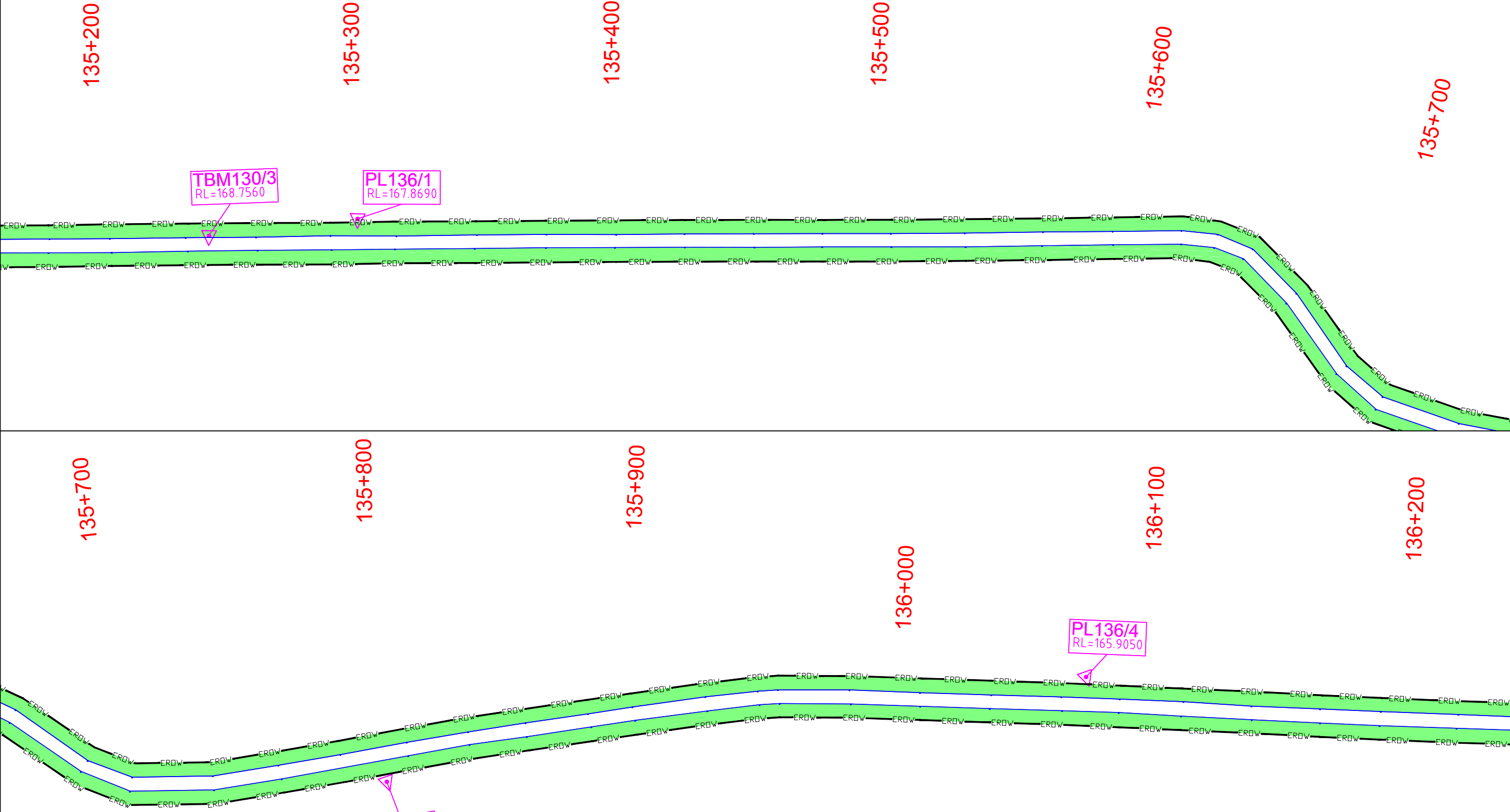
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Revision : R0

DRAWN (B)	CHECKED
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R0	Sheet : 76 of 85
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DGPS POINTS & CORDINATES		
Easting	Northing	Piller No.
698822.747	2390235.026	TBM130/3
698427.172	2390396.637	PL136/1
698261.211	2390498.671	PL136/3
698042.247	2390645.652	PL136/4

LEGEND

— EROW —

Existing ROW

— —

Existing Carriageway

— —

Proposed Center Line

▲

DGPS/TS Piller

■

Protected Forests

— —

Chainage km

RO	APRIL 2017	DGPS MAP	A	B	C	D
REV	DATE	DESCRIPTION OF REVISIONS	INITIALS			

Consultant:

S.A. Infrastructure Consultants Pvt. Ltd.
IN ASSOCIATION WITH UPHAM INTERNATIONAL CORPORATION PVT LTD.
1101A, 11 Floor Tower A-II, Ansal Corporate Park,
Plot No. 7A/1, Sector 142, Noida-201301 (Uttar Pradesh)
Phone No- 0120-6146000 Fax-0120-6148090
Email: info@sainfra.com

Client : INDIAN ACADEMY OF HIGHWAY ENGINEERS

Project: Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two-four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkundla, Amreli, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NH/IAHE/16)

Drawing Title :
DGPS MAP
135+200 to 136+200

DRAWING NO : 1231580/FFR/77
DATE : APRIL-2017
Revision : R0
DESIGNED (A) Kousik
DRAWN (B) Anas khan
CHECKED (C) Shantanu
APPROVED (D) R.P.Singh
Sheet : 77 of 85
Paper Size A2

SCALE :- HOR: 1:1000

← MAHUYA

JETPUR ➡

136+200

 $136+300$

136+400

136+500

136+600

136+700

PL137/2
RL=163.5860

136+700

136+744

008+931

PL137/4
RL=161.6310

DGPS POINTS & CORDINATES NUMBERS		
<i>Easting</i>	<i>Northing</i>	<i>Code</i>
695264.086	2391253.143	PL137/2

DGPS POINTS & CORDINATES		
Easting	Northing	Piller No.
697684.019	2390972.488	PL137/2

LEGEND

- EROW — Existing ROW
- Existing Carriageway
- Proposed Center Line
- △ DGPS/TS Pillar
- Protected Forests
- Chainage km

Consultant:



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Phone No- 0120-6148000 Fax-0120-6148090
Email: info@sainfra.com

Client :	
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Drawing Title :

DGPS MAP

136+200 to 136+700

DRAWING NO :	1231580/FFR/78
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DATE : APRIL-2017

DESIGNED (A)

Revision : R0

DRAWN (B)	CHECKED
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R0	Sheet : 78 of 85
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CHECKED (C)	APPROVED (D)
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appt 0120 142

← MAHUYA

JETPUR ➡

138+830

138+900

139+000

139+100

139+200

 $139+300$

139+300

139+400

139+500

139+600

139+700

139+800

PL140/1
RL=152.4560

PL140/1
RL=149.63

DGPS POINTS & CORDINATES		
Easting	Northing	Pillar No.
694782.078	2391538.158	P140/1

Consultant:



Client :



INDIAN ACADEMY OF HIGHWAY ENGINEERS

Project:

Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two/four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkunda, Amreli, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NH/IAHE/16)

Drawing Title :

DGPS MAP

138+830 to 139+800

DRAWING NO : 1231580/FFR/79

DATE : APRIL-2017

DESIGNED (A)

Revision : R0

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R0	Sheet : 79 of 85
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← MAHUYA

JETPUR ➡

139+800

139+900

140+100

 $140+200$

140+300

TBM135/2
RL=149.3180

PL140/3
RL=147.1200

PL140/4
RL=146.2530

TBM135A
RL=148.1860

PL140/2
RL=149.6310

140+500

PL141/1
RL=147.5820

 $140+600$ $140 + 700$

140+800

DGPS POINTS & CORDINATES		
Easting	Northing	Pillar No.
694177.242	2392025.703	TBM135/2
694168.630	2392130.982	P140/3
694132.748	2392283.956	P140/4
694090.013	2392527.575	TBM135A
694023.400	2393455.458	P141/1
694017.175	2393732.018	P141/2

PL141/2
RL=145.9340

LEGEND

- EROW — Existing ROW
- Existing Carriageway
- Proposed Center Line
- ▲ DGPS/TS Pillar
- Protected Forests
- Chainage km

Consultant:



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Client :



INDIAN ACADEMY OF HIGHWAY ENGINEERS

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Drawing Title :

DGPS MAP

139+800 to 140+800

DRAWING NO :	1231580/FFR/80
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DATE : APRIL-2017

DESIGNED (A)

Revision : R0

DRAWN (B)	CHECKED
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: R0	Sheet : 80 of 85
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CHECKED (C)	APPROVED
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appt 0120 742

← MAHUYA

JETPUR ➡

140+800

140+900

141+000

141+100

141+200

141+300

PL141/3
RL=147.4210

PL141/4
RL=150.0260

PL141/2
RL=145.9340

TBM135/3A
RL=144.7190

 $147+300$ $141+400$

141+500

141+600

141+700

141+800

PL142/2
RL=154.5340

PL142/1
RL=155.6320

DGPS POINTS & CORDINATES		
<i>Easting</i>	<i>Northing</i>	<i>Pillar No.</i>
694030.987	2393884.007	TBM135/3A
694017.731	2393941.124	P141/3
694022.227	2394118.472	P141/4
694026.474	2394129.130	P142/1
693962.206	2394386.722	P142/2

LEGEND

- EROW — Existing ROW
- Existing Carriageway
- Proposed Center Line
- △ DGPS/TS Pillar
- Protected Forests
- Chainage km

Consultant:



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Drawing Title :

DGPS MAP

140+800 to 141+800

DRAWING NO :	1231580/FFR/81
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DATE : APRIL-2017

DESIGNED (A)

80/FFR/81

Revision

DRAWN (B)

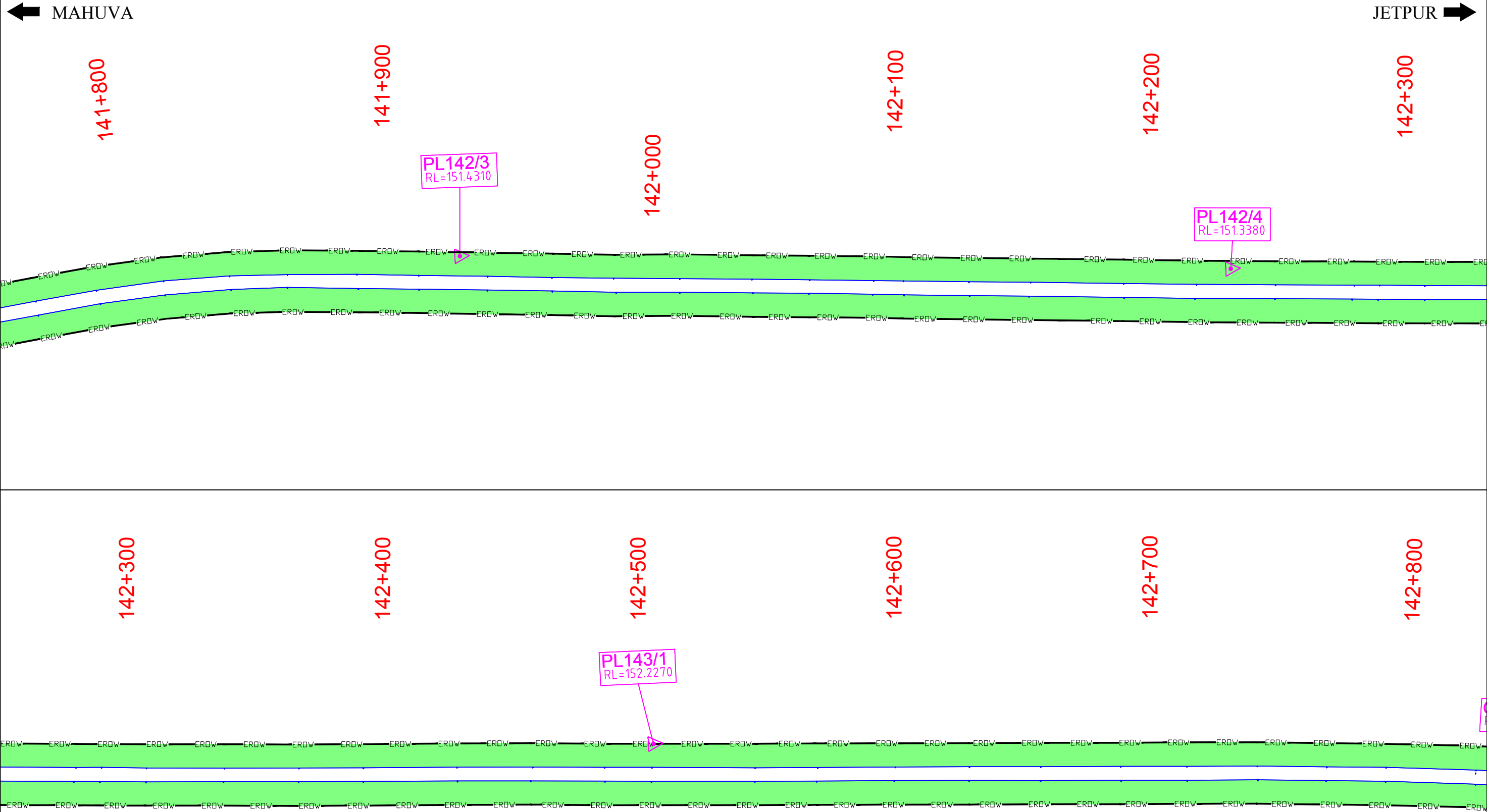
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DGPS POINTS & COORDINATES		
Easting	Northing	Pillar No.
694026.035	2394642.999	P142/3
694034.512	2394745.251	P142/4
694047.838	2394876.699	P143/1

LEGEND	
	Existing ROW
	Existing Carriageway
	Proposed Center Line
	DGPS/TS Pillar
	Protected Forests
	Chainage km

REV	DATE	DESCRIPTION OF REVISIONS	INITIALS
RO	APRIL 2017	DGPS MAP	

Consultant:

 **S.A. Infrastructure Consultants Pvt. Ltd.**
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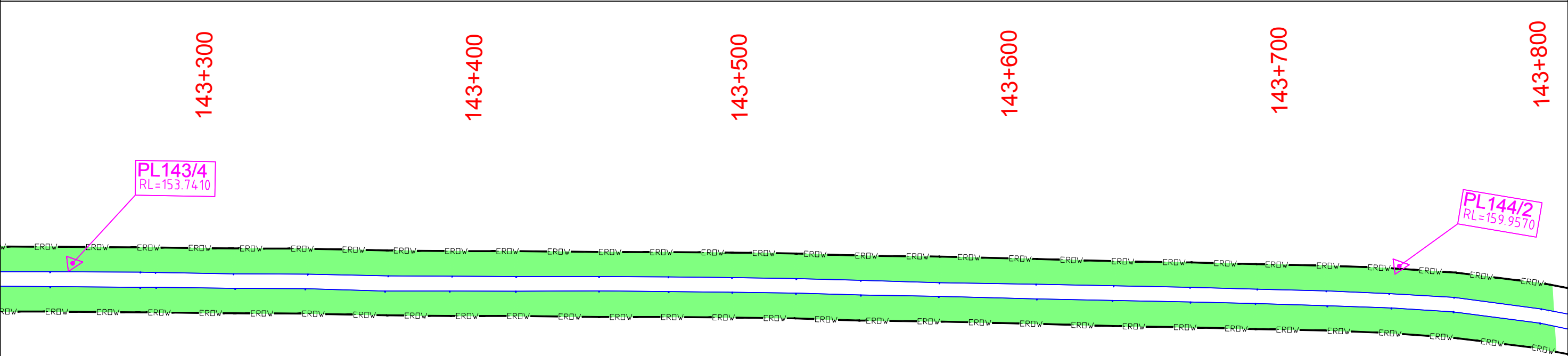
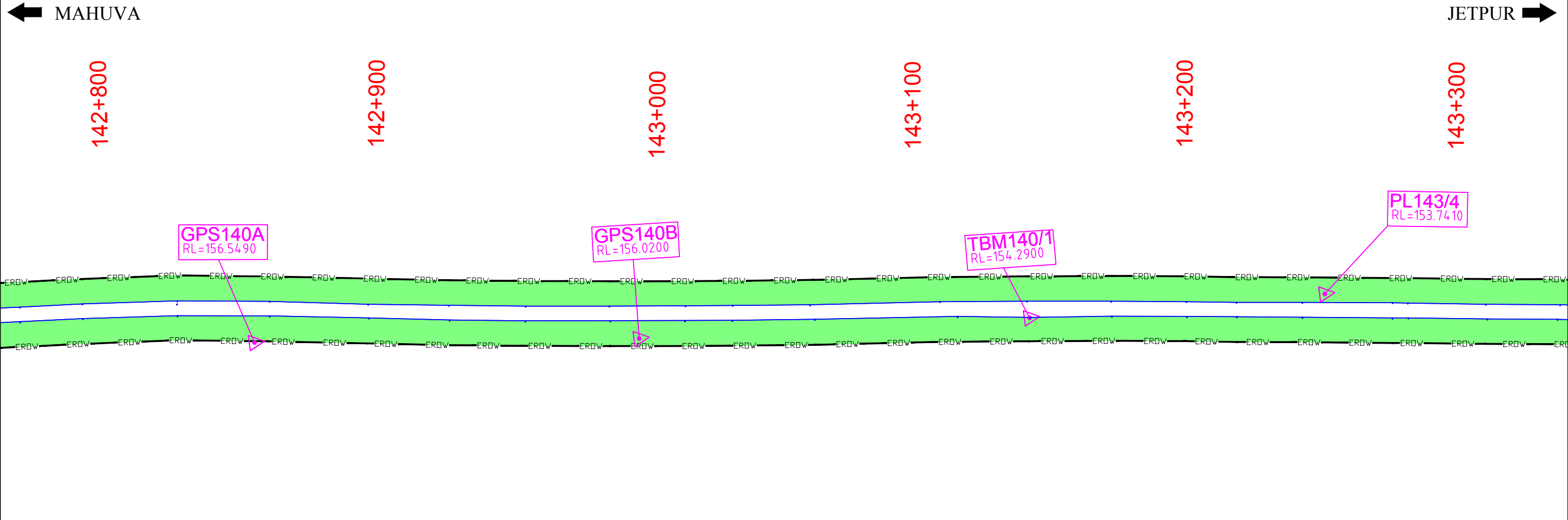
Client :  **INDIAN ACADEMY OF HIGHWAY ENGINEERS**

Project: Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two/four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkundla, Amreli, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NH/IAHE/16)

Drawing Title :
DGPS MAP
141+800 to 142+800

DRAWING NO : 1231580/FFR/82		SCALE :- HOR: 1:1000	
DATE : APRIL-2017	Revision : R0	Sheet : 82 of 85	
DESIGNED (A)  Kousik	DRAWN (B)  Anas Khan	CHECKED (C)  Shantanu	APPROVED (D)  R.P. Singh

Paper Size A2



DGPS POINTS & CORDINATES		
Easting	Northing	Pillar No.
694076.385	2395058.465	GPS140A
694111.202	2395231.030	GPS140B
694079.206	2395536.641	TBM140/1
694075.074	2395790.944	P143/4
694096.976	2396091.325	P144/2

LEGEND	
— EROW —	Existing ROW
— — —	Existing Carriageway
— — —	Proposed Center Line
△	DGPS/TS Pillar
■	Protected Forests
— — —	Chainage km

RO	APRIL 2017	DGPS MAP	A	B	C	D
REV	DATE	DESCRIPTION OF REVISIONS	INITIALS			

Consultant:

S.A. Infrastructure Consultants Pvt. Ltd.
IN ASSOCIATION WITH UPHAM INTERNATIONAL CORPORATION PVT LTD.
1101A, 11 Floor Tower A-II, Ansal Corporate Park,
Plot No. 7A/1, Sector 142, Noida-201301 (Uttar Pradesh)
Phone No- 0120-6146000 Fax-0120-6148090
Email: info@sainfra.com

Client : **INDIAN ACADEMY OF HIGHWAY ENGINEERS**

Project: Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two/four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkundla, Amreli, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NH/IAHE/16)

Drawing Title :
DGPS MAP
142+800 to 143+800

DRAWING NO : 1231580/FFR/83		SCALE :- HOR: 1:1000	
DATE : APRIL-2017	Revision : R0	Sheet : 83 of 85	APPROVED (D)
DESIGNED (A) <i>Kousik</i> Kousik	DRAWN (B) <i>Anas Khan</i> Anas Khan	CHECKED (C) <i>Shantanu</i> Shantanu	R.P.Singh

DATE: 28/04/2017 - 6:21pm
PATH: Y:\HIGHWAY\2015\DPFR\1231580\Highways\WORKING DATA\FFR\APRIL-2017\Forest Area\Layout -5.dwg

← MAHUYA

JETPUR ➡

$$\begin{array}{r} 144+800 \\ 144+820 \end{array}$$

144+900

145+000

145+100

145+200

145+300

TBM140/4
RL=154.9870

PL145/3
RL=152.9400

PL146/1
RL=154.5310

145+300

145+400

145+500

145+600

145+700

145+800

Consultant:



Client :	
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INDIAN ACADEMY OF HIGHWAY ENGINEERS

Project:

Drawing Title :

DGPS MAP

144+800 to 145+800

DRAWING NO : 1231580/FFR/84

DATE : APRIL-2017

DESIGNED (A)

Revision : R0

DRAWN (B)	CHECKED
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Sheet : 84 of 85

Paper Size A2

← MAHUYA

JETPUR ➡

145+800

145+900

146+000

146+100

146+200

146+300

PL147/1
RL=148.0600

PL147/2
RL=146.5410

GPS145A
RL=148.3040

GPS145B
RL=148.8100

146+300

146+400

146+500

146+600

146+700

146+711

PL147/2
RL=146.5410

TBM145/1
RL=145.4480

PL147/3
RL=142.8410

LEGEND

- EROW — Existing ROW
- Existing Carriageway
- Proposed Center Line
- △ DGPS/TS Pillar
- Protected Forests
- Chainage km

Consultant:



S.A. Infrastructure Consultants Pvt. Ltd.
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Plot No. 7A/1, Sector 142, Noida-201301 (Uttar Pradesh)
Phone No- 0120-6148000 Fax-0120-6148090
Email: info@sainfra.com

Client :



INDIAN ACADEMY OF HIGHWAY ENGINEERS

Project:

Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two/four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkundla, Amreli, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NH/IAHE/16)

Drawing Title :

DGPS MAP

145+800 to 146+700

DRAWING NO : 1231580/FFR/85

DATE : APRIL-2017

DESIGNED (A)

Revision : R0

DRAWN (B)	CHE
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Sheet : 85 Of 85

CKED (C)	APPROVED (D)
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Paper Size A2

DATE: 28/04/2017 - 6:25pm
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